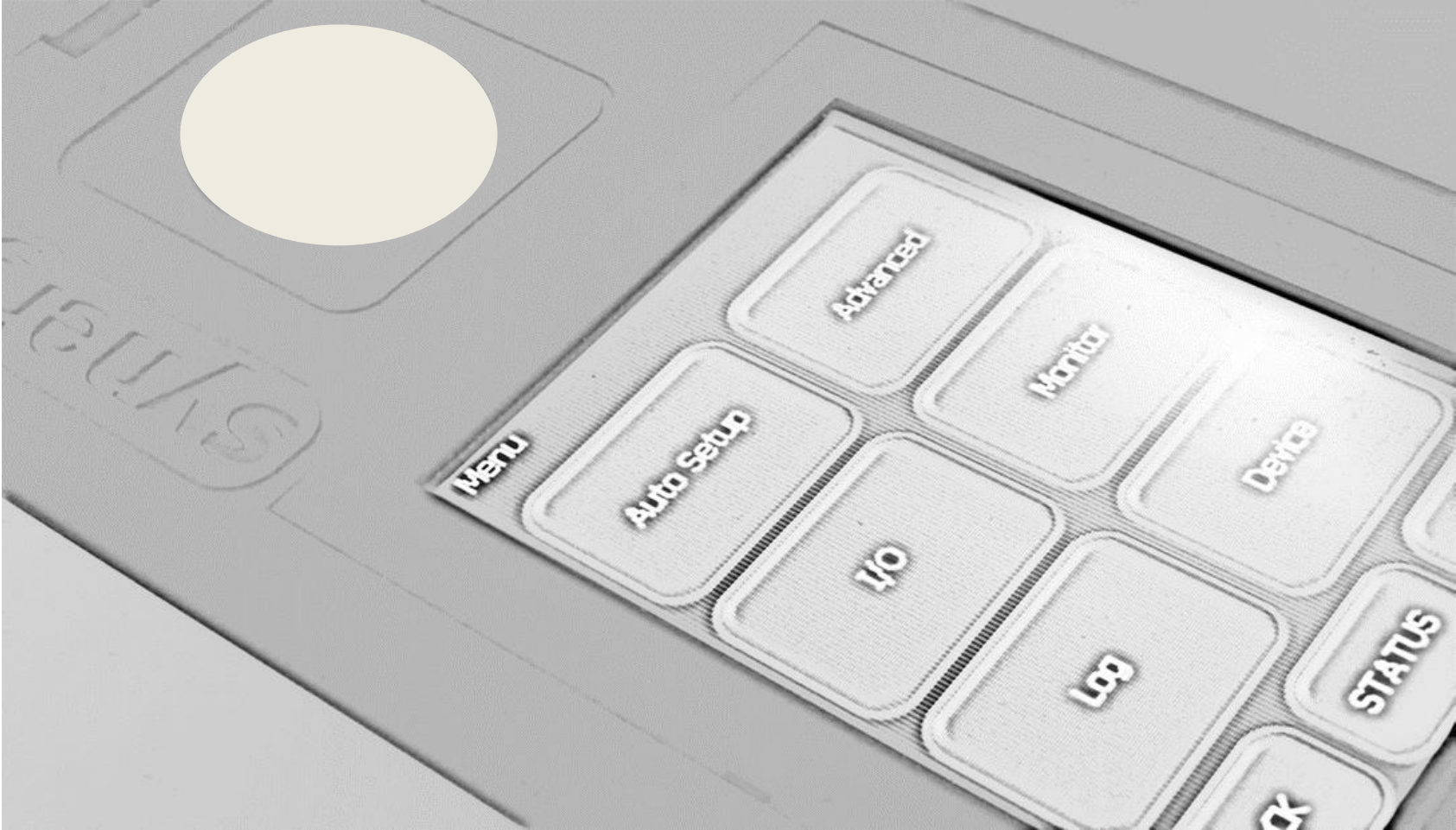


Innovation in soft start technology



**VMX-synergy™**  
MODBUS RTU PARAMETER TABLES

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
1	<b>PNU Number</b>	128 ( 80 hex )	Set to correspond with Unit connection to the Motor. Refer to connection diagrams in the Quick Start Guide. In-Line : The Unit is connected in-line with a delta or star connected motor. In-Delta : The Unit is connected inside the Delta of the motor. The iERS function is disabled
	<b>PNU Name</b>	Firing Mode	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
		Range	<input type="text" value="0 ( 0 hex ) In-Line"/> - <input type="text" value="1 ( 1 hex ) In-Delta"/> Default <input type="text" value="0 ( 0 hex ) In-Line"/> Type <input type="text" value="Read/Write"/>
2	<b>PNU Number</b>	192 ( C0 hex )	Allows the Unit to be retro-fitted into "Delta" applications that previously used QFE / XFE (5MC) On : Operates in QFE / XFE (5MC) delta compatibility mode. Off : Operates normally. Refer to Unit Delta connection diagram in the Quick Start Guide.
	<b>PNU Name</b>	Legacy Delta Mode	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
		Range	<input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/>
3	<b>PNU Number</b>	320 ( 140 hex )	Applies a short duration torque pulse to dislodge 'sticky' loads On : The torque pulse is applied at start-up when complete the torque drops to the "Start Pedestal" Off: The initial starting torque is defined by the "Start Pedestal"
	<b>PNU Name</b>	Kick Start	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
		Range	<input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/>
4	<b>PNU Number</b>	640 ( 280 hex )	Percentage of the supply voltage applied to the motor during the 'kick' period Increase to provide more torque If the load fails to break away. Decrease if the motor accelerates too quickly.
	<b>PNU Name</b>	Kick Start Pedestal	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	
		Range	<input type="text" value="4915 ( 1333 hex ) 30%"/> - <input type="text" value="13107 ( 3333 hex ) 80%"/> Default <input type="text" value="12288 ( 3000 hex ) 75%"/> Type <input type="text" value="Read/Write"/>
5	<b>PNU Number</b>	704 ( 2C0 hex )	Percentage of the supply voltage applied to motor at the beginning of the soft start. Increase to provide more torque If the load fails to break away. Decrease if the motor accelerates too quickly.
	<b>PNU Name</b>	Start Pedestal	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	
		Range	<input type="text" value="1638 ( 666 hex ) 10%"/> - <input type="text" value="16384 ( 4000 hex ) 100%"/> Default <input type="text" value="3276 ( CCC hex ) 20%"/> Type <input type="text" value="Read/Write"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
6	<b>PNU Number</b>	768 ( 300 hex )	Adjusts the response of the "Automatic End Start (3)"  Increase to provide a greater smoothing effect If there are torque fluctuations that occur during the soft start.  When set to zero the smoothing is effectively disabled.
	<b>PNU Name</b>	Rate End Start (3)	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	
		Range	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">0 ( 0 hex ) 0%</div> <span>-</span> <div style="border: 1px solid black; padding: 2px;">16384 ( 4000 hex ) 100%</div> <span>Default</span> <div style="border: 1px solid black; padding: 2px;">8192 ( 2000 hex ) 50%</div> <span>Type</span> <div style="border: 1px solid black; padding: 2px;">Read/Write</div> </div>
7	<b>PNU Number</b>	896 ( 380 hex )	Percentage of the supply voltage applied to the motor at the end of the soft stop  Increase if the motor crawls at the end of the soft stop.  Decrease if a greater soft-stop effect is required at the end of the ramp.
	<b>PNU Name</b>	Stop Pedestal	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	
		Range	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">1638 ( 666 hex ) 10%</div> <span>-</span> <div style="border: 1px solid black; padding: 2px;">6553 ( 1999 hex ) 40%</div> <span>Default</span> <div style="border: 1px solid black; padding: 2px;">1638 ( 666 hex ) 10%</div> <span>Type</span> <div style="border: 1px solid black; padding: 2px;">Read/Write</div> </div>
8	<b>PNU Number</b>	7040 ( 1B80 hex )	Time that the torque pulse is applied to load  Increase to provide more torque If the load fails to break away.  Decrease if the motor accelerates too quickly.
	<b>PNU Name</b>	Kick Start Time	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 ms )	
		Range	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">10 ( A hex ) 10ms</div> <span>-</span> <div style="border: 1px solid black; padding: 2px;">2000 ( 7D0 hex ) 2000ms</div> <span>Default</span> <div style="border: 1px solid black; padding: 2px;">100 ( 64 hex ) 100ms</div> <span>Type</span> <div style="border: 1px solid black; padding: 2px;">Read/Write</div> </div>
9	<b>PNU Number</b>	7104 ( 1BC0 hex )	Time taken to soft start from the "Start Pedestal" to the end of the start  Normally set between 5 and 30 seconds. Actual time to get to full voltage depends on the "Start Current Limit Level".  If set too long the motor can be at speed before the end of the time set. Refer to "Automatic End Start"
	<b>PNU Name</b>	Start Time	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )	
		Range	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">1 ( 1 hex ) 1s</div> <span>-</span> <div style="border: 1px solid black; padding: 2px;">300 ( 12C hex ) 300s</div> <span>Default</span> <div style="border: 1px solid black; padding: 2px;">10 ( A hex ) 10s</div> <span>Type</span> <div style="border: 1px solid black; padding: 2px;">Read/Write</div> </div>
10	<b>PNU Number</b>	7296 ( 1C80 hex )	The time taken to soft stop from full voltage or the iERS level to the 'Stop Pedestal'  Normally set between 15 and 60 seconds. Actual time to get to 'Stop Pedestal' depends on the "Stop Current Limit Level".  If set too long the motor may reach zero speed before the end of the time set. Refer to "Automatic End Stop"
	<b>PNU Name</b>	Stop Time	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )	
		Range	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">0 ( 0 hex ) 0s</div> <span>-</span> <div style="border: 1px solid black; padding: 2px;">300 ( 12C hex ) 300s</div> <span>Default</span> <div style="border: 1px solid black; padding: 2px;">0 ( 0 hex ) 0s</div> <span>Type</span> <div style="border: 1px solid black; padding: 2px;">Read/Write</div> </div>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
11	<b>PNU Number</b>	7360 ( 1CC0 hex )	The time from the End of the start to the point where the iERS saving mode becomes active.  Normally set to 5 seconds to ensure the motor is at full speed before the iERS saving becomes active  Increase to allow time for the motor to stabilise.  Range <input type="text" value="1 ( 1 hex ) 1s"/> - <input type="text" value="300 ( 12C hex ) 300s"/> Default <input type="text" value="5 ( 5 hex ) 5s"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Dwell Time	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )	
12	<b>PNU Number</b>	8320 ( 2080 hex )	Time allowed for external contactors to close.  Increase if contactors are driven by buffer relays or motor trips on phase loss when start signal applied  Decrease if response to start signal needs to be improved  Range <input type="text" value="20 ( 14 hex ) 20ms"/> - <input type="text" value="60000 ( EA60 hex ) 60000ms"/> Default <input type="text" value="160 ( A0 hex ) 160ms"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Contactors Delay	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 ms )	
13	<b>PNU Number</b>	8960 ( 2300 hex )	Defines the physical function of the analogue output (AO)  0-10V : The output voltage varies from 0 to 10V  4-20mA : The output current varies from 4 to 20mA  Range <input type="text" value="0 ( 0 hex ) 0 - 10V"/> - <input type="text" value="1 ( 1 hex ) 4 - 20mA"/> Default <input type="text" value="0 ( 0 hex ) 0 - 10V"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Analogue Output Type	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
14	<b>PNU Number</b>	9024 ( 2340 hex )	Allows the Analogue output to be mapped to different PNU functions  The output will change in proportion with the selected function  By default the output will be at a maximum when the selected function equals its maximum value  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="999 ( 3E7 hex ) End of list"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Select Function	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	514=Imeasured, 522=Overload, 161=OverloadSCR, 542=Ptotal	
15	<b>PNU Number</b>	9088 ( 2380 hex )	Allows the selected function to be scaled  The output will change in proportion with the selected function  The output will be at a maximum when the selected function equals the "Scaling Level"  Range <input type="text" value="0 ( 0 hex ) 0%"/> - <input type="text" value="16384 ( 4000 hex ) Max value %"/> Default <input type="text" value="0 ( 0 hex ) 0%"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Scaling Level	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
16	<b>PNU Number</b>	9152 ( 23C0 hex )	The value of the Analogue output
	<b>PNU Name</b>	Analogue Output Value	The internal Digital to analogue converter is 10 bit.
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )	Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="1024 ( 400 hex ) 1024"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="button" value="Read Only"/>
17	<b>PNU Number</b>	9600 ( 2580 hex )	Defines the function of the analogue input (AI)
	<b>PNU Name</b>	Analogue Input Type	0-10V : The input voltage varies from 0-10V
	<b>PNU Format</b>	8 bit unsigned	4-20mA : The input varies from 4 to 20mA
	<b>PNU Note</b>	Binary value	Range <input type="text" value="0 ( 0 hex ) 0 - 10V"/> - <input type="text" value="1 ( 1 hex ) 4 - 20mA"/> Default <input type="text" value="0 ( 0 hex ) 0 - 10V"/> Type <input type="button" value="Read/Write"/>
18	<b>PNU Number</b>	9664 ( 25C0 hex )	Allows the Analogue input to be mapped to different functions
	<b>PNU Name</b>	Select Function	The selected function will change in proportion with the input
	<b>PNU Format</b>	16 bit unsigned	By default the function will be at its maximum when the input is at its maximum
	<b>PNU Note</b>	420=Current Limit Start, 431=I Shearpin, 441=I Overload	Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="999 ( 3E7 hex ) End of list"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/>
19	<b>PNU Number</b>	9728 ( 2600 hex )	Allows the selected function to be scaled
	<b>PNU Name</b>	Scaling Level	The selected function will change in proportion with the input
	<b>PNU Format</b>	16 bit unsigned	The function will be at its "Scaling Level" when the input is at its maximum
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	Range <input type="text" value="0 ( 0 hex ) 0%"/> - <input type="text" value="16384 ( 4000 hex ) Max value %"/> Default <input type="text" value="0 ( 0 hex ) Max value %"/> Type <input type="button" value="Read/Write"/>
20	<b>PNU Number</b>	9792 ( 2640 hex )	The value of the analogue Input
	<b>PNU Name</b>	Analogue Input Value	The internal Analogue to Digital converter is 10 bit.
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )	Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="1024 ( 400 hex ) 1024"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="button" value="Read Only"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current														
21	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>10432 ( 28C0 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Motor Thermistor</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling ( 1 = 1 )</td> </tr> </table>	<b>PNU Number</b>	10432 ( 28C0 hex )	<b>PNU Name</b>	Motor Thermistor	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )	<p>Indicates the state of the Unit PTC input. Designed for single or double or triple PTC in series PTC thermistor standards DIN44081 / EN60738-1 apply ( &lt; 300R @ 25°C. Typically 4K @ nominal temperature)</p> <p>The value indicated is a not in degrees Celsius but is an internal representation. At 25°C the value displayed should be less than 100 and the Unit trips when value &gt; 400 (open circuit = 1024)</p> <p>The value will increase rapidly when the motor thermistors approach their nominal temperature. If thermistors are connected the "Thermistor trip" should be turned "on"</p>	<p>Range</p> <table border="1"> <tr> <td>0 ( 0 hex ) 0</td> <td>-</td> <td>1024 ( 400 hex ) 1024</td> </tr> </table> <p>Default</p> <table border="1"> <tr> <td>0 ( 0 hex ) 1024</td> </tr> </table> <p>Type</p> <table border="1"> <tr> <td>Read Only</td> </tr> </table>	0 ( 0 hex ) 0	-	1024 ( 400 hex ) 1024	0 ( 0 hex ) 1024	Read Only
<b>PNU Number</b>	10432 ( 28C0 hex )															
<b>PNU Name</b>	Motor Thermistor															
<b>PNU Format</b>	16 bit unsigned															
<b>PNU Note</b>	Linear Scaling ( 1 = 1 )															
0 ( 0 hex ) 0	-	1024 ( 400 hex ) 1024														
0 ( 0 hex ) 1024																
Read Only																
22	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>10880 ( 2A80 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Digital Input Voltage</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>0=230V, 1=110V, 2=24V</td> </tr> </table>	<b>PNU Number</b>	10880 ( 2A80 hex )	<b>PNU Name</b>	Digital Input Voltage	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	0=230V, 1=110V, 2=24V	<p>The digital inputs D1-1I D1-2I D2-1I are designed to work with a range of control supplies 230V : 'Active high level' Input voltage must be in the range 195.5V - 253V 110V : 'Active high level' Input voltage must be in the range 93.5V - 121V 24V : 'Active high level ' input voltage must be in the range 20.4V-26.4V</p> <p>It is important to ensure the "Digital input Voltage" corresponds to the voltage applied to the input. Failure to do so may result in damage.</p>	<p>Range</p> <table border="1"> <tr> <td>0 ( 0 hex ) 230V</td> <td>-</td> <td>2 ( 2 hex ) 24VDC</td> </tr> </table> <p>Default</p> <table border="1"> <tr> <td>0 ( 0 hex ) 230V</td> </tr> </table> <p>Type</p> <table border="1"> <tr> <td>Read/Write</td> </tr> </table>	0 ( 0 hex ) 230V	-	2 ( 2 hex ) 24VDC	0 ( 0 hex ) 230V	Read/Write
<b>PNU Number</b>	10880 ( 2A80 hex )															
<b>PNU Name</b>	Digital Input Voltage															
<b>PNU Format</b>	16 bit unsigned															
<b>PNU Note</b>	0=230V, 1=110V, 2=24V															
0 ( 0 hex ) 230V	-	2 ( 2 hex ) 24VDC														
0 ( 0 hex ) 230V																
Read/Write																
23	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>10944 ( 2AC0 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Select Function</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip</td> </tr> </table>	<b>PNU Number</b>	10944 ( 2AC0 hex )	<b>PNU Name</b>	Select Function	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip	<p>Allows the Digital input (D1-1I) to be mapped to different functions</p> <p>The selected function will change in proportion with the input</p> <p>Digital inputs can only be mapped if the "Control Method" is set to "User Programmable"</p>	<p>Range</p> <table border="1"> <tr> <td>0 ( 0 hex ) Off</td> <td>-</td> <td>999 ( 3E7 hex ) End of list</td> </tr> </table> <p>Default</p> <table border="1"> <tr> <td>280 ( 118 hex ) Start/Stop</td> </tr> </table> <p>Type</p> <table border="1"> <tr> <td>Read/Write</td> </tr> </table>	0 ( 0 hex ) Off	-	999 ( 3E7 hex ) End of list	280 ( 118 hex ) Start/Stop	Read/Write
<b>PNU Number</b>	10944 ( 2AC0 hex )															
<b>PNU Name</b>	Select Function															
<b>PNU Format</b>	16 bit unsigned															
<b>PNU Note</b>	280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip															
0 ( 0 hex ) Off	-	999 ( 3E7 hex ) End of list														
280 ( 118 hex ) Start/Stop																
Read/Write																
24	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>10945 ( 2AC1 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Select Function</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip</td> </tr> </table>	<b>PNU Number</b>	10945 ( 2AC1 hex )	<b>PNU Name</b>	Select Function	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip	<p>Allows the Digital input (D1-2I) to be mapped to different functions</p> <p>The selected function will change in proportion with the input</p> <p>Digital inputs can only be mapped if the "Control Method" is set to "User Programmable"</p>	<p>Range</p> <table border="1"> <tr> <td>0 ( 0 hex ) Off</td> <td>-</td> <td>999 ( 3E7 hex ) End of list</td> </tr> </table> <p>Default</p> <table border="1"> <tr> <td>0 ( 0 hex ) Off</td> </tr> </table> <p>Type</p> <table border="1"> <tr> <td>Read/Write</td> </tr> </table>	0 ( 0 hex ) Off	-	999 ( 3E7 hex ) End of list	0 ( 0 hex ) Off	Read/Write
<b>PNU Number</b>	10945 ( 2AC1 hex )															
<b>PNU Name</b>	Select Function															
<b>PNU Format</b>	16 bit unsigned															
<b>PNU Note</b>	280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip															
0 ( 0 hex ) Off	-	999 ( 3E7 hex ) End of list														
0 ( 0 hex ) Off																
Read/Write																
25	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>10946 ( 2AC2 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Select Function</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip</td> </tr> </table>	<b>PNU Number</b>	10946 ( 2AC2 hex )	<b>PNU Name</b>	Select Function	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip	<p>Allows the Digital input (D2-1I) to be mapped to different functions</p> <p>The selected function will change in proportion with the input</p> <p>Digital inputs can only be mapped if the "Control Method" is set to "User Programmable"</p>	<p>Range</p> <table border="1"> <tr> <td>0 ( 0 hex ) Off</td> <td>-</td> <td>999 ( 3E7 hex ) End of list</td> </tr> </table> <p>Default</p> <table border="1"> <tr> <td>287 ( 11F hex ) Reset</td> </tr> </table> <p>Type</p> <table border="1"> <tr> <td>Read/Write</td> </tr> </table>	0 ( 0 hex ) Off	-	999 ( 3E7 hex ) End of list	287 ( 11F hex ) Reset	Read/Write
<b>PNU Number</b>	10946 ( 2AC2 hex )															
<b>PNU Name</b>	Select Function															
<b>PNU Format</b>	16 bit unsigned															
<b>PNU Note</b>	280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip															
0 ( 0 hex ) Off	-	999 ( 3E7 hex ) End of list														
287 ( 11F hex ) Reset																
Read/Write																

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26	<b>PNU Number</b>	11584 ( 2D40 hex )	Allows the Digital output (N/C (12)) to be mapped to different functions  The output will change in proportion with the selected output  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="999 ( 3E7 hex ) End of list"/> Default <input type="text" value="583 Error"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Select Function	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	581=Rdy,582=En,583=Error,588=Running,590=EndOfStart,591=C/L,595=iErsActive	
27	<b>PNU Number</b>	11585 ( 2D41 hex )	Allows the Digital output (N/0 (24)) to be mapped to different functions  The output will change in proportion with the selected output  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="999 ( 3E7 hex ) End of list"/> Default <input type="text" value="583 Error"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Select Function	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	581=Rdy,582=En,583=Error,588=Running,590=EndOfStart,591=C/L,595=iErsActive	
28	<b>PNU Number</b>	11586 ( 2D42 hex )	Allows the Digital output (N/0 (34)) to be mapped to different functions  The output will change in proportion with the selected output  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="999 ( 3E7 hex ) End of list"/> Default <input type="text" value="588 Running"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Select Function	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	581=Rdy,582=En,583=Error,588=Running,590=EndOfStart,591=C/L,595=iErsActive	
29	<b>PNU Number</b>	11587 ( 2D43 hex )	Allows the Digital output (N/0 (44)) to be mapped to different functions  The output will change in proportion with the selected output  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="999 ( 3E7 hex ) End of list"/> Default <input type="text" value="590 End Of Start"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Select Function	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	581=Rdy,582=En,583=Error,588=Running,590=EndOfStart,591=C/L,595=iErsActive	
30	<b>PNU Number</b>	12800 ( 3200 hex )	The device serial number stored at the point of manufacture  Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="255 ( FF hex ) 255"/> Default <input type="text" value="Not Applicable"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Serial Number	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	ASCII alpha numeric character Byte 7 (MSB)	

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current					
31	<b>PNU Number</b>	12801 ( 3201 hex )	The device serial number stored at the point of manufacture				
	<b>PNU Name</b>	Serial Number					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 6					
		Range	<input type="text" value="0 ( 0 hex ) 0"/> <span style="margin: 0 10px;">-</span> <input type="text" value="255 ( FF hex ) 255"/>	Default	<input type="text" value="Not Applicable"/>	Type	<input type="text" value="Read Only"/>
32	<b>PNU Number</b>	12802 ( 3202 hex )	The device serial number stored at the point of manufacture				
	<b>PNU Name</b>	Serial Number					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 5					
		Range	<input type="text" value="0 ( 0 hex ) 0"/> <span style="margin: 0 10px;">-</span> <input type="text" value="255 ( FF hex ) 255"/>	Default	<input type="text" value="Not Applicable"/>	Type	<input type="text" value="Read Only"/>
33	<b>PNU Number</b>	12803 ( 3203 hex )	The device serial number stored at the point of manufacture				
	<b>PNU Name</b>	Serial Number					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 4					
		Range	<input type="text" value="0 ( 0 hex ) 0"/> <span style="margin: 0 10px;">-</span> <input type="text" value="255 ( FF hex ) 255"/>	Default	<input type="text" value="Not Applicable"/>	Type	<input type="text" value="Read Only"/>
34	<b>PNU Number</b>	12804 ( 3204 hex )	The device serial number stored at the point of manufacture				
	<b>PNU Name</b>	Serial Number					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 3					
		Range	<input type="text" value="0 ( 0 hex ) 0"/> <span style="margin: 0 10px;">-</span> <input type="text" value="255 ( FF hex ) 255"/>	Default	<input type="text" value="Not Applicable"/>	Type	<input type="text" value="Read Only"/>
35	<b>PNU Number</b>	12805 ( 3205 hex )	The device serial number stored at the point of manufacture				
	<b>PNU Name</b>	Serial Number					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 2					
		Range	<input type="text" value="0 ( 0 hex ) 0"/> <span style="margin: 0 10px;">-</span> <input type="text" value="255 ( FF hex ) 255"/>	Default	<input type="text" value="Not Applicable"/>	Type	<input type="text" value="Read Only"/>



SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description					
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current					
36	<b>PNU Number</b>	12806 ( 3206 hex )	The device serial number stored at the point of manufacture				
	<b>PNU Name</b>	Serial Number					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 1					
		Range	<input type="text" value="0 ( 0 hex ) 0"/> <span style="margin: 0 10px;">-</span> <input type="text" value="255 ( FF hex ) 255"/>	Default	<input type="text" value="Not Applicable"/>	Type	<input type="text" value="Read Only"/>
37	<b>PNU Number</b>	12807 ( 3207 hex )	The device serial number stored at the point of manufacture				
	<b>PNU Name</b>	Serial Number					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 0					
		Range	<input type="text" value="0 ( 0 hex ) 0"/> <span style="margin: 0 10px;">-</span> <input type="text" value="255 ( FF hex ) 255"/>	Default	<input type="text" value="Not Applicable"/>	Type	<input type="text" value="Read Only"/>
38	<b>PNU Number</b>	12864 ( 3240 hex )	Stops unauthorised access to read/ write parameters  For the passcode be active the "Screen lock" must be turned on				
	<b>PNU Name</b>	Passcode					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 3 (MSB)					
		Range	<input type="text" value="48 ( 30 hex ) 0"/> <span style="margin: 0 10px;">-</span> <input type="text" value="57 ( 39 hex ) Max Value"/>	Default	<input type="text" value="48 ( 30 hex ) 0"/>	Type	<input type="text" value="Read/Write"/>
39	<b>PNU Number</b>	12865 ( 3241 hex )	Stops unauthorised access to read/ write parameters  For the passcode be active the "Screen lock" must be turned on				
	<b>PNU Name</b>	Passcode					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 2					
		Range	<input type="text" value="48 ( 30 hex ) 0"/> <span style="margin: 0 10px;">-</span> <input type="text" value="57 ( 39 hex ) Max Value"/>	Default	<input type="text" value="48 ( 30 hex ) 0"/>	Type	<input type="text" value="Read/Write"/>
40	<b>PNU Number</b>	12866 ( 3242 hex )	Stops unauthorised access to read/ write parameters  For the passcode be active the "Screen lock" must be turned on				
	<b>PNU Name</b>	Passcode					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 1					
		Range	<input type="text" value="48 ( 30 hex ) 0"/> <span style="margin: 0 10px;">-</span> <input type="text" value="57 ( 39 hex ) Max Value"/>	Default	<input type="text" value="48 ( 30 hex ) 0"/>	Type	<input type="text" value="Read/Write"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current				
41	<b>PNU Number</b>	12867 ( 3243 hex )	Stops unauthorised screen access to read/ write parameters  For the passcode be active the "Screen lock" must be turned on			
	<b>PNU Name</b>	Passcode				
	<b>PNU Format</b>	8 bit unsigned				
	<b>PNU Note</b>	ASCII alpha numeric character      Byte 0				
Range		48 ( 30 hex ) 0      -      57 ( 39 hex ) Max Value	Default	48 ( 30 hex ) 0	Type	Read/Write
42	<b>PNU Number</b>	12928 ( 3280 hex )	The device Model number stored at the point of manufacture			
	<b>PNU Name</b>	Model Number				
	<b>PNU Format</b>	16 bit unsigned				
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )				
Range		0 ( 0 hex ) 0      -      65535 ( FFFF hex ) Max Value	Default	Not Applicable	Type	Read Only
43	<b>PNU Number</b>	12992 ( 32C0 hex )	Stops unauthorised access to read/ write parameters			
	<b>PNU Name</b>	Screen Lock				
	<b>PNU Format</b>	8 bit unsigned				
	<b>PNU Note</b>	Binary value				
Range		0 ( 0 hex ) Off      -      1 ( 1 hex ) On	Default	0 ( 0 hex ) Off	Type	Read/Write
44	<b>PNU Number</b>	13120 ( 3340 hex )	Diagnostic parameter  For Motortronics use only			
	<b>PNU Name</b>	Service Code				
	<b>PNU Format</b>					
	<b>PNU Note</b>					
Range			Default		Type	
45	<b>PNU Number</b>	13184 ( 3380 hex )	Software Version for the Main control PCB.  Software version recorded in log file			
	<b>PNU Name</b>	Software Version (PCB2)				
	<b>PNU Format</b>	32 bit unsigned				
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )				
Range		0 ( 0 hex ) 0      -      4294967295 ( FFFFFFFF hex ) Max Value	Default	Not Applicable	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
46	<b>PNU Number</b>	13248 ( 33C0 hex )	Allows the date format to be changed  dd/mm/yyyy or mm/dd/yyyy  Range <input type="text" value="0 ( 0 hex ) dd/mm/yyyy"/> - <input type="text" value="1 ( 1 hex ) mm/dd/yyyy"/> Default <input type="text" value="0 ( 0 hex ) dd/mm/yyyy"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Date Format	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
47	<b>PNU Number</b>	13312 ( 3400 hex )	Selects °C or °F for displayed temperatures  °C : All displayed temperatures are °C  °F : All displayed temperatures are °F  Range <input type="text" value="0 ( 0 hex ) °C"/> - <input type="text" value="1 ( 1 hex ) °F"/> Default <input type="text" value="0 ( 0 hex ) °C"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Temperature Format	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
48	<b>PNU Number</b>	13376 ( 3440 hex )	Selects the display language for the keypad  Enter the required language from the displayed list  Range <input type="text" value="1 ( 1 hex ) English"/> - <input type="text" value="10 ( A hex ) End of list"/> Default <input type="text" value="1 ( 1 hex ) English"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Language	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	1=GBR,2=DEU,3=FRA,4=ITA,5=CHN, 6=TUR,7=POR,8=jPN,9=SRB,10=RUS	
49	<b>PNU Number</b>	14080 ( 3700 hex )	Allows the user to check the state of the Modbus communication network. Red LED receive. Green LED Transmit.  On : The Red and Green LEDS display the traffic on the Modbus communications network  Off : The Red and Green LEDs display the Unit status information  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Traffic LEDS	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
50	<b>PNU Number</b>	14144 ( 3740 hex )	Used when the motor is required to start when the Main Contactor closes, and stop when it opens. An auxiliary contact from the main contactor is used as a Start / Stop signal. The ' Stop Time' must be set to zero  On : When the contactor opens and the stop signal is given at the same time the unit will not trip on "Phase Loss"  Off : When the contactor opens and the stop signal is given at the same time the unit may trip on "Phase Loss"  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Main Contactor Control	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
51	<b>PNU Number</b>	14208 ( 3780 hex )	Time for backlight on display
	<b>PNU Name</b>	Backlight Timeout	After the period set the back light on the screen will turn off
	<b>PNU Format</b>	16 bit unsigned	To reactivate touch screen anywhere. To disable set to 0
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )	Range <input type="text" value="0 ( 0 hex ) 0s"/> - <input type="text" value="3600 ( E10 hex ) 3600s"/> Default <input type="text" value="60 ( 3C hex ) 60s"/> Type <input type="button" value="Read/Write"/>
52	<b>PNU Number</b>	14720 ( 3980 hex )	Allows the time to be changed to 'local' time
	<b>PNU Name</b>	Time	By default the time is set to GMT
	<b>PNU Format</b>	6 Bytes	
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)	Range <input type="text" value="-hh:mm:ss"/> - <input type="text" value="-hh:mm:ss"/> Default <input type="text" value="GMT timehh:mm:ss"/> Type <input type="button" value="Read/Write"/>
53	<b>PNU Number</b>	15808 ( 3DC0 hex )	Communications trip Timeout period
	<b>PNU Name</b>	Timeout ms	To prevent a 'Communications Trip' (If enabled) the bus must be kept active. To keep the bus active there must be at least one Modbus read or write (any PNU) during the "Timeout ms" period
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 ms )	Range <input type="text" value="0 ( 0 hex ) 0ms"/> - <input type="text" value="60000 ( EA60 hex ) 60000ms"/> Default <input type="text" value="5000 ( 1388 hex ) 5000ms"/> Type <input type="button" value="Read/Write"/>
54	<b>PNU Number</b>	16000 ( 3E80 hex )	Sets the Modbus station number
	<b>PNU Name</b>	Address	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )	Range <input type="text" value="1 ( 1 hex ) 1"/> - <input type="text" value="32 ( 20 hex ) 32"/> Default <input type="text" value="1 ( 1 hex ) 1"/> Type <input type="button" value="Read/Write"/>
55	<b>PNU Number</b>	16064 ( 3EC0 hex )	Sets the serial communications baud rate
	<b>PNU Name</b>	Baud Rate	The available baud rates are 9600 19200 38400 57600 or 115200
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	0=9600, 1=19200, 2=38400, 3=57600, 4=115200	Range <input type="text" value="0 ( 0 hex ) 9600"/> - <input type="text" value="4 ( 4 hex ) 115200"/> Default <input type="text" value="1 ( 1 hex ) 19200"/> Type <input type="button" value="Read/Write"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
56	<b>PNU Number</b>	16128 ( 3F00 hex )	Sets the serial communications parity bit
	<b>PNU Name</b>	Parity	The available parity options are None Even Odd
	<b>PNU Format</b>	16 bit unsigned	Also sets the stop bits. No parity uses 2 stop bits. Odd or even parity uses 1 stop bit
	<b>PNU Note</b>	0=None, 1=Even, 2=Odd	Range <input type="text" value="0 ( 0 hex ) None"/> - <input type="text" value="2 ( 2 hex ) Odd"/> Default <input type="text" value="1 ( 1 hex ) Even"/> Type <input type="text" value="Read/Write"/>
57	<b>PNU Number</b>	17600 ( 44C0 hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 0	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>		Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
58	<b>PNU Number</b>	17601 ( 44C1 hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 1	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>		Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
59	<b>PNU Number</b>	17602 ( 44C2 hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 2	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>		Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
60	<b>PNU Number</b>	17603 ( 44C3 hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 3	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>		Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
61	<b>PNU Number</b>	17604 ( 44C4 hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 4	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>	Range	<input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
62	<b>PNU Number</b>	17605 ( 44C5 hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 5	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>	Range	<input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
63	<b>PNU Number</b>	17606 ( 44C6 hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 6	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>	Range	<input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
64	<b>PNU Number</b>	17607 ( 44C7 hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 7	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>	Range	<input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
65	<b>PNU Number</b>	17608 ( 44C8 hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 8	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>	Range	<input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
66	<b>PNU Number</b>	17609 ( 44C9 hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 9	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>	Range	<input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
67	<b>PNU Number</b>	17610 ( 44CA hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 10	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>	Range	<input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
68	<b>PNU Number</b>	17611 ( 44CB hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 11	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>	Range	<input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
69	<b>PNU Number</b>	17612 ( 44CC hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 12	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>	Range	<input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
70	<b>PNU Number</b>	17613 ( 44CD hex )	Used to arrange Modbus Parameters into groups
	<b>PNU Name</b>	Modbus Alias Register 13	Holds the address of a Modbus Parameter
	<b>PNU Format</b>		Refer to MAN-SGY-019-V01 for more details
	<b>PNU Note</b>	Range	<input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
71	<b>PNU Number</b>	17614 ( 44CE hex )	Used to arrange Modbus Parameters into groups  Holds the address of a Modbus Parameter  Refer to MAN-SGY-019-V01 for more details  Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Modbus Alias Register 14	
	<b>PNU Format</b>		
	<b>PNU Note</b>		
72	<b>PNU Number</b>	17615 ( 44CF hex )	Used to arrange Modbus Parameters into groups  Holds the address of a Modbus Parameter  Refer to MAN-SGY-019-V01 for more details  Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Modbus Alias Register 15	
	<b>PNU Format</b>		
	<b>PNU Note</b>		
73	<b>PNU Number</b>	17920 ( 4600 hex )	CONTROL COMMAND : Start / Stop  On : Starts the Unit Off : Stops or Soft stops the Unit  To map to digital input refer to PNU10944-PNU10946  Range <input type="text" value="0 ( 0 hex ) (Soft) Stop"/> - <input type="text" value="1 ( 1 hex ) Start"/> Default <input type="text" value="0 ( 0 hex ) (Soft) Stop"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Start/Stop	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
74	<b>PNU Number</b>	18240 ( 4740 hex )	CONTROL COMMAND : Freeze Ramp  On : The Soft Start Ramp is held and the Unit will take longer than the time set to start Off : The Soft Start Ramp is not held and the Unit will start in the time set.  If set to On this parameter will hold the Start Ramp even if "Current Irms" is less than the "Current Limit Level" To map to digital input refer to PNU10944-PNU10946  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Freeze Ramp	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
75	<b>PNU Number</b>	18368 ( 47C0 hex )	CONTROL COMMAND : Reset  On : The initial state required for a reset. Off : The final state required for a reset.  To reset pulse high and then low To map to digital input refer to PNU10944-PNU10946  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Reset	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	



SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
76	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>18880 ( 49C0 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>External Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	18880 ( 49C0 hex )	<b>PNU Name</b>	External Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>CONTROL COMMAND : External Trip</p> <p>On : If "External Trip" is enabled the Unit trips Off : The Unit will not trip</p> <p>Ensure start signal is low before reset. To map to digital input refer to PNU10944-PNU10946</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	18880 ( 49C0 hex )									
<b>PNU Name</b>	External Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
77	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>19200 ( 4B00 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Application:</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling ( 1 = 1 )</td> </tr> </table>	<b>PNU Number</b>	19200 ( 4B00 hex )	<b>PNU Name</b>	Application:	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )	<p>The Unit has numerous pre-set applications built in as standard. Select the application best suited to the load.</p> <p>The selected application will automatically change several parameters and functions. Depending on the application loaded the "Trip Class" may also change</p> <p>Refer to the separate 'applications document' for more details</p> <p>Range <input type="text" value="0 ( 0 hex ) Default"/> - <input type="text" value="65535 ( FFFF hex ) End of list"/> Default <input type="text" value="0 ( 0 hex ) Default"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	19200 ( 4B00 hex )									
<b>PNU Name</b>	Application:									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Linear Scaling ( 1 = 1 )									
78	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>19840 ( 4D80 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Automatic Pedestal</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	19840 ( 4D80 hex )	<b>PNU Name</b>	Automatic Pedestal	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Automatically controls the starting torque</p> <p>On : The initial torque is increased until the motor starts to rotate at a moderate speed.</p> <p>Off: The initial torque is defined by the "Start Pedestal"</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	19840 ( 4D80 hex )									
<b>PNU Name</b>	Automatic Pedestal									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
79	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>19904 ( 4DC0 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Automatic End Start (2)</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	19904 ( 4DC0 hex )	<b>PNU Name</b>	Automatic End Start (2)	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Automatically controls the time taken for the motor to start</p> <p>On : The ramp time is shortened if the motor current falls below the current limit level before the end of the "Start Time".</p> <p>Off: The ramp time depends on the "Start Time" and "Current Limit"</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	19904 ( 4DC0 hex )									
<b>PNU Name</b>	Automatic End Start (2)									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
80	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>19968 ( 4E00 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Automatic End Start (1)</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	19968 ( 4E00 hex )	<b>PNU Name</b>	Automatic End Start (1)	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Automatically controls the time taken for the motor to start</p> <p>On : The ramp time is shortened if the motor is at speed before the end of the "Start Time"</p> <p>Off: The ramp time depends on the "Start Time" and "Current Limit"</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	19968 ( 4E00 hex )									
<b>PNU Name</b>	Automatic End Start (1)									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current
81	<b>PNU Number</b>	20032 ( 4E40 hex )
	<b>PNU Name</b>	Automatic End Start (3)
	<b>PNU Format</b>	8 bit unsigned
	<b>PNU Note</b>	Binary value
		<p>Automatically controls the time taken for the motor to start</p> <p>On : The ramp time is shortened if torque fluctuations occur before the end of the "Start Time"</p> <p>Off: The ramp time depends on the "Start Time" and "Current Limit"</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
82	<b>PNU Number</b>	20160 ( 4EC0 hex )
	<b>PNU Name</b>	Automatic Stop
	<b>PNU Format</b>	8 bit unsigned
	<b>PNU Note</b>	Binary value
		<p>Automatically controls the soft stop to suit the application. This feature is particularly useful with pumping applications</p> <p>On : If the motor is lightly loaded it decelerates rapidly to the point where the soft stop becomes useful.</p> <p>Off : The deceleration to the point where the soft stop becomes useful will be slower.</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
83	<b>PNU Number</b>	20224 ( 4F00 hex )
	<b>PNU Name</b>	Auto Smooth Stop
	<b>PNU Format</b>	8 bit unsigned
	<b>PNU Note</b>	Binary value
		<p>Automatically controls the soft stop to eliminate oscillations that can occur towards the end of the ramp</p> <p>On : The soft stop is adjusted when oscillations are detected. Refer to "Auto smoothing Level"</p> <p>Off : The soft stop is unadjusted and torque fluctuations may cause instability. This can often occur in pumping applications</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
84	<b>PNU Number</b>	20352 ( 4F80 hex )
	<b>PNU Name</b>	Automatic Ramp
	<b>PNU Format</b>	8 bit unsigned
	<b>PNU Note</b>	Binary value
		<p>Automatically controls the torque applied to the motor during the soft start.</p> <p>On : The torque is adjusted to suit the load.</p> <p>Off: The ramp time depends on the "Start Time" and "Current Limit"</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
85	<b>PNU Number</b>	20416 ( 4FC0 hex )
	<b>PNU Name</b>	Automatic End Stop
	<b>PNU Format</b>	8 bit unsigned
	<b>PNU Note</b>	Binary value
		<p>Automatically controls the "Stop Time"</p> <p>On : The ramp time is shortened if the motor reaches a very low speed before the end of the "Stop Time"</p> <p>Off: The ramp time " depends on the "Stop Time" and "Current Limit"</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
86	<b>PNU Number</b>	20480 ( 5000 hex )	Automatically controls the maximum iERS saving level.
	<b>PNU Name</b>	Automatic Impact Load	On : The maximum iERS saving level ("BackStop" ) is reset to maximum during each load cycle.
	<b>PNU Format</b>	8 bit unsigned	Off : The saving potential may be reduced on applications with heavy load cycles. Such as injection moulding machines.
	<b>PNU Note</b>	Binary value	Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/>
87	<b>PNU Number</b>	20608 ( 5080 hex )	Adjusts the response of the "Automatic Stop"
	<b>PNU Name</b>	Automatic Stop Profile	Increase if the motor speed doesn't drop quickly enough.
	<b>PNU Format</b>	16 bit unsigned	When the value is set to zero the "Automatic Stop" is effectively disabled
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	Range <input type="text" value="0 ( 0 hex ) 0%"/> - <input type="text" value="16384 ( 4000 hex ) 100%"/> Default <input type="text" value="8192 ( 2000 hex ) 50%"/> Type <input type="button" value="Read/Write"/>
88	<b>PNU Number</b>	20672 ( 50C0 hex )	Adjusts the response of the "Automatic smoothing"
	<b>PNU Name</b>	Auto Smoothing Level	Increase to provide a greater smoothing effect If there are torque fluctuations that occur during the soft stop.
	<b>PNU Format</b>	16 bit unsigned	When set to zero the smoothing is effectively disabled.
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	Range <input type="text" value="1638 ( 666 hex ) 10%"/> - <input type="text" value="16384 ( 4000 hex ) 100%"/> Default <input type="text" value="8192 ( 2000 hex ) 50%"/> Type <input type="button" value="Read/Write"/>
89	<b>PNU Number</b>	20736 ( 5100 hex )	Enables the Auto Reset Feature
	<b>PNU Name</b>	Auto Reset	On : The Auto Reset feature is Enabled
	<b>PNU Format</b>	16 bit unsigned	Off : The Auto Reset feature is disabled and all counters will be re-initialised
	<b>PNU Note</b>	Binary value	Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/>
90	<b>PNU Number</b>	20737 ( 5101 hex )	This is the delay between the trip event and the automatic reset, the unit will re-start following the reset if the start signal is active
	<b>PNU Name</b>	Reset Delay	If this is set to zero at any point the Auto Reset feature will terminate and the counters will be re-initialised
	<b>PNU Format</b>	16 bit unsigned	When the delay is active the Restart Pending parameter is set and the time remaining can be viewed in the monitor menu.
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )	Range <input type="text" value="0 ( 0 hex ) 0s"/> - <input type="text" value="7200 ( 1C20 hex ) 7200s"/> Default <input type="text" value="0 ( 0 hex ) 0s"/> Type <input type="button" value="Read/Write"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
91	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20738 ( 5102 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Reset Attempts</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling ( 1 = 1 )</td> </tr> </table>	<b>PNU Number</b>	20738 ( 5102 hex )	<b>PNU Name</b>	Reset Attempts	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )	<p>This is the number of restart attempts allowed before the Auto Reset terminates. If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.</p> <p>If the Auto Restart has been unsuccessful the counters are re-initialised by applying a reset signal or removing the start signal If this is set to zero at any point the Auto Reset feature will terminate and the counters will be re-initialised</p> <p>The number of attempts remaining can be viewed in the Monitor menu</p> <p>Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="10 ( A hex ) 10"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	20738 ( 5102 hex )									
<b>PNU Name</b>	Reset Attempts									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Linear Scaling ( 1 = 1 )									
92	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20739 ( 5103 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Trip Free Time</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling ( 1 = 1 s )</td> </tr> </table>	<b>PNU Number</b>	20739 ( 5103 hex )	<b>PNU Name</b>	Trip Free Time	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )	<p>This is the time the unit must be run trip free before the counters are re-initialised back to zero</p> <p>If this is set to zero at any point the Auto Reset feature will terminate and the counters will be re-initialised</p> <p>The Trip Free Time can be viewed in the Monitor menu</p> <p>Range <input type="text" value="0 ( 0 hex ) 0s"/> - <input type="text" value="7200 ( 1C20 hex ) 7200s"/> Default <input type="text" value="600 ( 258 hex ) 600s"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	20739 ( 5103 hex )									
<b>PNU Name</b>	Trip Free Time									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )									
93	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20800 ( 5140 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Input Side Phase Loss</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20800 ( 5140 hex )	<b>PNU Name</b>	Input Side Phase Loss	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if an Input Side Phase Loss Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	20800 ( 5140 hex )									
<b>PNU Name</b>	Input Side Phase Loss									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
94	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20801 ( 5141 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Thermal</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20801 ( 5141 hex )	<b>PNU Name</b>	Thermal	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if a Thermal Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	20801 ( 5141 hex )									
<b>PNU Name</b>	Thermal									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
95	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20802 ( 5142 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Thyristor Firing</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20802 ( 5142 hex )	<b>PNU Name</b>	Thyristor Firing	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if a Thyristor Firing Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	20802 ( 5142 hex )									
<b>PNU Name</b>	Thyristor Firing									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description	
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
96	<b>PNU Number</b>	20803 ( 5143 hex )	Allows the user to select whether the unit will auto reset if a Motor Side Phase Loss Trip occurs  On : The trip will auto reset when the Reset Delay reaches zero.  Off : The trip will not auto reset  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Motor Side Phase Loss	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
97	<b>PNU Number</b>	20805 ( 5145 hex )	Allows the user to select whether the unit will auto reset if a Control Voltage Low Trip occurs  On : The trip will auto reset when the Reset Delay reaches zero.  Off : The trip will not auto reset  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Control Voltage Low	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
98	<b>PNU Number</b>	20806 ( 5146 hex )	Allows the user to select whether the unit will auto reset if a Sensing Fault Trip occurs  On : The trip will auto reset when the Reset Delay reaches zero.  Off : The trip will not auto reset  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Sensing Fault	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
99	<b>PNU Number</b>	20807 ( 5147 hex )	Allows the user to select whether the unit will auto reset if a Fan Trip occurs  On : The trip will auto reset when the Reset Delay reaches zero.  Off : The trip will not auto reset  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Fan	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
100	<b>PNU Number</b>	20810 ( 514A hex )	Allows the user to select whether the unit will auto reset if a Low Current Trip occurs  On : The trip will auto reset when the Reset Delay reaches zero.  Off : The trip will not auto reset  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Low Current	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
101	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20811 ( 514B hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Current Limit Time Out</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20811 ( 514B hex )	<b>PNU Name</b>	Current Limit Time Out	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if a Current Limit Time Out Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	20811 ( 514B hex )									
<b>PNU Name</b>	Current Limit Time Out									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
102	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20812 ( 514C hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Overload</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20812 ( 514C hex )	<b>PNU Name</b>	Overload	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if an Overload Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	20812 ( 514C hex )									
<b>PNU Name</b>	Overload									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
103	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20813 ( 514D hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Shearpin</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20813 ( 514D hex )	<b>PNU Name</b>	Shearpin	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if a Shearpin Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	20813 ( 514D hex )									
<b>PNU Name</b>	Shearpin									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
104	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20814 ( 514E hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>PTC Thermistor</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20814 ( 514E hex )	<b>PNU Name</b>	PTC Thermistor	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if a PTC Thermistor Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	20814 ( 514E hex )									
<b>PNU Name</b>	PTC Thermistor									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
105	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20815 ( 514F hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>External</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20815 ( 514F hex )	<b>PNU Name</b>	External	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if an External Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	20815 ( 514F hex )									
<b>PNU Name</b>	External									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
106	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20816 ( 5150 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Communications</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20816 ( 5150 hex )	<b>PNU Name</b>	Communications	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if a Communications Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	20816 ( 5150 hex )									
<b>PNU Name</b>	Communications									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
107	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20817 ( 5151 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Bypass</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20817 ( 5151 hex )	<b>PNU Name</b>	Bypass	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if a Bypass Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	20817 ( 5151 hex )									
<b>PNU Name</b>	Bypass									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
108	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20818 ( 5152 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Cover</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20818 ( 5152 hex )	<b>PNU Name</b>	Cover	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if a Cover Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	20818 ( 5152 hex )									
<b>PNU Name</b>	Cover									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
109	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20820 ( 5154 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Phase Rotation</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20820 ( 5154 hex )	<b>PNU Name</b>	Phase Rotation	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if a Phase Rotation Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	20820 ( 5154 hex )									
<b>PNU Name</b>	Phase Rotation									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
110	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>20821 ( 5155 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Operation 4</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	20821 ( 5155 hex )	<b>PNU Name</b>	Operation 4	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows the user to select whether the unit will auto reset if an Operation 4 Trip occurs</p> <p>On : The trip will auto reset when the Reset Delay reaches zero.</p> <p>Off : The trip will not auto reset</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	20821 ( 5155 hex )									
<b>PNU Name</b>	Operation 4									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current
111	<b>PNU Number</b>	20822 ( 5156 hex )
	<b>PNU Name</b>	Current Sensor
	<b>PNU Format</b>	8 bit unsigned
	<b>PNU Note</b>	Binary value
		Allows the user to select whether the unit will auto reset if a Current Sensor Trip occurs
		On : The trip will auto reset when the Reset Delay reaches zero.
		Off : The trip will not auto reset
		Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/>
112	<b>PNU Number</b>	20823 ( 5157 hex )
	<b>PNU Name</b>	Operation 3
	<b>PNU Format</b>	8 bit unsigned
	<b>PNU Note</b>	Binary value
		Allows the user to select whether the unit will auto reset if an Operation 3 Trip occurs
		On : The trip will auto reset when the Reset Delay reaches zero.
		Off : The trip will not auto reset
		Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/>
113	<b>PNU Number</b>	20824 ( 5158 hex )
	<b>PNU Name</b>	Operation 1
	<b>PNU Format</b>	8 bit unsigned
	<b>PNU Note</b>	Binary value
		Allows the user to select whether the unit will auto reset if an Operation 1 Trip occurs
		On : The trip will auto reset when the Reset Delay reaches zero.
		Off : The trip will not auto reset
		Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/>
114	<b>PNU Number</b>	20825 ( 5159 hex )
	<b>PNU Name</b>	Operation 2
	<b>PNU Format</b>	8 bit unsigned
	<b>PNU Note</b>	Binary value
		Allows the user to select whether the unit will auto reset if an Operation 2 Trip occurs
		On : The trip will auto reset when the Reset Delay reaches zero.
		Off : The trip will not auto reset
		Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/>
115	<b>PNU Number</b>	20826 ( 515A hex )
	<b>PNU Name</b>	Operation 5
	<b>PNU Format</b>	8 bit unsigned
	<b>PNU Note</b>	Binary value
		Allows the user to select whether the unit will auto reset if an Operation 5 Trip occurs
		On : The trip will auto reset when the Reset Delay reaches zero.
		Off : The trip will not auto reset
		Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/>



SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current					
116	<b>PNU Number</b>	20864 ( 5180 hex )	This is the amount of time remaining in the Reset Delay counter				
	<b>PNU Name</b>	Reset Delay					
	<b>PNU Format</b>	16 bit unsigned					
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )					
		Range	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">0 ( 0 hex ) 0s</div> <span>-</span> <div style="border: 1px solid black; padding: 2px;">7200 ( 1C20 hex ) 7200s</div> </div>	Default	<div style="border: 1px solid black; padding: 2px;">0 ( 0 hex ) 0s</div>	Type	Read Only
117	<b>PNU Number</b>	20865 ( 5181 hex )	This is the number of Reset Attempts remaining.				
	<b>PNU Name</b>	Reset Attempts					
	<b>PNU Format</b>	16 bit unsigned					
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )					
		Range	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">0 ( 0 hex ) 0</div> <span>-</span> <div style="border: 1px solid black; padding: 2px;">10 ( A hex ) 10</div> </div>	Default	<div style="border: 1px solid black; padding: 2px;">0 ( 0 hex ) 0</div>	Type	Read Only
118	<b>PNU Number</b>	20866 ( 5182 hex )	This is the amount of time remaining in the Trip Free Time counter				
	<b>PNU Name</b>	Trip Free Time					
	<b>PNU Format</b>	16 bit unsigned					
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )					
		Range	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">0 ( 0 hex ) 0s</div> <span>-</span> <div style="border: 1px solid black; padding: 2px;">7200 ( 1C20 hex ) 7200s</div> </div>	Default	<div style="border: 1px solid black; padding: 2px;">600 ( 258 hex ) 600s</div>	Type	Read Only
119	<b>PNU Number</b>	20867 ( 5183 hex )	This is the trip that occurred just prior to the auto reset				
	<b>PNU Name</b>	Trip Event					
	<b>PNU Format</b>	16 bit unsigned					
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )					
		Range	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">100 ( 64 hex ) 100</div> <span>-</span> <div style="border: 1px solid black; padding: 2px;">2700 ( A8C hex ) 2700</div> </div>	Default	<div style="border: 1px solid black; padding: 2px;">0 ( 0 hex ) 0</div>	Type	Read Only
120	<b>PNU Number</b>	21120 ( 5280 hex )	Enables and disables the intelligent Energy Recovery System feature (iERS).  On : The voltage to the motor will be regulated to ensure optimum efficiency.  Off : The feature is disabled and the motor operates at full voltage				
	<b>PNU Name</b>	iERS					
	<b>PNU Format</b>	8 bit unsigned					
	<b>PNU Note</b>	Binary value					
		Range	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">0 ( 0 hex ) Off</div> <span>-</span> <div style="border: 1px solid black; padding: 2px;">1 ( 1 hex ) On</div> </div>	Default	<div style="border: 1px solid black; padding: 2px;">1 ( 1 hex ) Off</div>	Type	Read/Write

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
121	<b>PNU Number</b>	21184 ( 52C0 hex )	Determines the rate at which the load is regulated during the iERS energy saving mode  During periods of instability the "Current Irms" and "True Power Factor" will oscillate rapidly. Increase if the applications shows signs of instability.  Reduce to increase the speed of response  Range <input type="text" value="0 ( 0 hex ) 0%"/> - <input type="text" value="16384 ( 4000 hex ) 100%"/> Default <input type="text" value="4096 ( 1000 hex ) 25%"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	iERS Rate	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	
122	<b>PNU Number</b>	21320 ( 5348 hex )	The current in Amps at which the iERS is enabled or disabled.  The iERS function is active when the motor current is less than the "Start Saving Level"  When the iERS function is disabled internal bypass relays close to improve efficiency.  Range <input type="text" value="8192 ( 2000 hex ) 50% I-motor"/> - <input type="text" value="13107 ( 3333 hex ) 80% I-motor"/> Default <input type="text" value="13107 ( 3333 hex ) 80% I-motor"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Start Saving Level	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	
123	<b>PNU Number</b>	21376 ( 5380 hex )	Determines the maximum energy saving potential.  Reduce if the application shows signs of instability.  The amount of energy that can be saved may fall as the "iERS level" is reduced.  Range <input type="text" value="0 ( 0 hex ) 0%"/> - <input type="text" value="16384 ( 4000 hex ) 100%"/> Default <input type="text" value="16384 ( 4000 hex ) 100%"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	iERS Level	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	
124	<b>PNU Number</b>	21760 ( 5500 hex )	The Reference Power Factor used by the iERS saving function  This is the target Power Factor for the iERS saving function. The parameter will change dynamically dependant on motor operation  The parameter displays the displacement part of the True Power Factor and is used for diagnostic purposes.  Range <input type="text" value="0 ( 0 hex ) 0Degrees"/> - <input type="text" value="90 ( 5A hex ) 90Degrees"/> Default <input type="text" value="0 ( 0 hex ) 0Degrees"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Ref PF Degrees	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)	
125	<b>PNU Number</b>	21824 ( 5540 hex )	The Present Power Factor used by the iERS saving function  This is the actual Power Factor for the iERS saving function. The "Delay" is constantly adjusted to minimise the control loop error between "Pres PF Degrees" and "Ref PF Degrees"  The parameter displays the displacement part of the True Power Factor and is used for diagnostic purposes.  Range <input type="text" value="0 ( 0 hex ) 0Degrees"/> - <input type="text" value="90 ( 5A hex ) 90Degrees"/> Default <input type="text" value="0 ( 0 hex ) 0Degrees"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Pres PF Degrees	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)	

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
126	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>22400 ( 5780 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Delay Angle</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)</td> </tr> </table>	<b>PNU Number</b>	22400 ( 5780 hex )	<b>PNU Name</b>	Delay Angle	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)	<p>Internal firing delay angle in Degrees</p> <p>Displayed for diagnostic purposes</p> <p>Range <input type="text" value="0 ( 0 hex ) 0Degrees"/> - <input type="text" value="60 ( 3C hex ) 60Degrees"/> Default <input type="text" value="0 ( 0 hex ) 0Degrees"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	22400 ( 5780 hex )									
<b>PNU Name</b>	Delay Angle									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)									
127	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>22464 ( 57C0 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Delay Max</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)</td> </tr> </table>	<b>PNU Number</b>	22464 ( 57C0 hex )	<b>PNU Name</b>	Delay Max	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)	<p>The maximum possible delay for iERS saving</p> <p>Displayed for diagnostic purposes</p> <p>Range <input type="text" value="0 ( 0 hex ) 0Degrees"/> - <input type="text" value="55 ( 37 hex ) 55Degrees"/> Default <input type="text" value="0 ( 0 hex ) 0Degrees"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	22464 ( 57C0 hex )									
<b>PNU Name</b>	Delay Max									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)									
128	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>23040 ( 5A00 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>BackStop</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)</td> </tr> </table>	<b>PNU Number</b>	23040 ( 5A00 hex )	<b>PNU Name</b>	BackStop	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)	<p>The maximum possible Delay angle for the current iERS saving phase</p> <p>Displayed for diagnostic purposes</p> <p>May decrease during heavy load periods or instability</p> <p>Range <input type="text" value="0 ( 0 hex ) 0Degrees"/> - <input type="text" value="55 ( 37 hex ) 55Degrees"/> Default <input type="text" value="0 ( 0 hex ) 0Degrees"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	23040 ( 5A00 hex )									
<b>PNU Name</b>	BackStop									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)									
129	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>25600 ( 6400 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>i-rated</td> </tr> <tr> <td><b>PNU Format</b></td> <td>32 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	<b>PNU Number</b>	25600 ( 6400 hex )	<b>PNU Name</b>	i-rated	<b>PNU Format</b>	32 bit unsigned	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Unit Class20 / Class30 Current Rating</p> <p>Range <input type="text" value="17000 ( 4268 hex ) 17A"/> - <input type="text" value="2000000 ( 1E8480 hex ) 2000A"/> Default <input type="text" value="17000 ( 4268 hex ) 17A"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	25600 ( 6400 hex )									
<b>PNU Name</b>	i-rated									
<b>PNU Format</b>	32 bit unsigned									
<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)									
130	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>25664 ( 6440 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Trip Class</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>10= Trip Class 10, 20 = Trip Class 20, 30 = Trip Class 30</td> </tr> </table>	<b>PNU Number</b>	25664 ( 6440 hex )	<b>PNU Name</b>	Trip Class	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	10= Trip Class 10, 20 = Trip Class 20, 30 = Trip Class 30	<p>The trip class is a numeric value that correlates the trip time with overload level. Select Trip class according to application requirements</p> <p>The trip time depends on the selected Trip Class. The duration of the overload and the level of the over current. Refer to the Motor Overload 'cold' trip curves given in the Quick Start Guide.</p> <p>When "Class 20" or "Class30" are selected the Unit current rating (i-Unit) will be reduced to a lower value (i-rated).</p> <p>Range <input type="text" value="10 ( A hex ) Trip Class 10"/> - <input type="text" value="30 ( 1E hex ) Trip Class 30"/> Default <input type="text" value="10 ( A hex ) Trip Class 10"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	25664 ( 6440 hex )									
<b>PNU Name</b>	Trip Class									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	10= Trip Class 10, 20 = Trip Class 20, 30 = Trip Class 30									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
131	<b>PNU Number</b>	25728 ( 6480 hex )	This should be set to the Full Load Current shown on the motor plate
	<b>PNU Name</b>	Motor Current	The overload works with multiples of the set "Motor Current" (i-motor)
	<b>PNU Format</b>	32 bit unsigned	Also referred to as Motor FLA
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Range <input type="text" value="( 0.5 x PNU25600 ) 10% I-synergyA"/> - <input type="text" value="( 1 x PNU25600 ) 100% I-ratedA"/> Default <input type="text" value="( 1 x PNU25600 ) 100% I-ratedA"/> Type <input type="button" value="Read/Write"/>
132	<b>PNU Number</b>	25792 ( 64C0 hex )	Unit Class10 Current Rating
	<b>PNU Name</b>	i-Synergy	
	<b>PNU Format</b>	32 bit unsigned	
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Range <input type="text" value="17000 ( 4268 hex ) 17A"/> - <input type="text" value="2000000 ( 1E8480 hex ) 2000A"/> Default <input type="text" value="17000 ( 4268 hex ) 17A"/> Type <input type="button" value="Read Only"/>
133	<b>PNU Number</b>	26304 ( 66C0 hex )	The current in Amps that will cause a trip
	<b>PNU Name</b>	Low Current Trip Level	A trip will occur if the motor current is less than the "Trip Level" for the "Trip Time"
	<b>PNU Format</b>	32 bit unsigned	
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Range <input type="text" value="( 0.25 x PNU25728 ) 25% I-motorA"/> - <input type="text" value="( 1 x PNU25728 ) 100% I-motorA"/> Default <input type="text" value="( 0.25 x PNU25728 ) 25% I-motorA"/> Type <input type="button" value="Read/Write"/>
134	<b>PNU Number</b>	26368 ( 6700 hex )	The trip time for the Low current trip
	<b>PNU Name</b>	Low Current Trip Time	A trip will occur if the motor current is less than the "Trip Level" for the "Trip Time"
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 ms )	Range <input type="text" value="100 ( 64 hex ) 100ms"/> - <input type="text" value="9000 ( 2328 hex ) 9000ms"/> Default <input type="text" value="100 ( 64 hex ) 100ms"/> Type <input type="button" value="Read/Write"/>
135	<b>PNU Number</b>	26880 ( 6900 hex )	The current in Amps at which the soft Start ramp is held.
	<b>PNU Name</b>	Start Current Limit Level	Normally set to 350% of motor FLC. Increase if motor fails to accelerate at required rate
	<b>PNU Format</b>	32 bit unsigned	The "Current Limit Level" will effect actual time to start. If set too low the motor may not accelerate to full speed.
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Range <input type="text" value="( 0.5 x PNU25728 ) 50% I-motorA"/> - <input type="text" value="( 4.5 x PNU25792 ) 450% I-motorA"/> Default <input type="text" value="( 3.5 x PNU25728 ) 350% I-motorA"/> Type <input type="button" value="Read/Write"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current				
136	<b>PNU Number</b>	26944 ( 6940 hex )	The maximum time allowed for the current limit.  If the current limit is still active at the end of this period the Unit will either 'Trip' or 'continue'			
	<b>PNU Name</b>	Start Current Limit Time				
	<b>PNU Format</b>	16 bit unsigned				
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )				
Range		1 ( 1 hex ) 1s - 600 ( 258 hex ) 600s	Default	30 ( 1E hex ) 30s	Type	Read/Write
137	<b>PNU Number</b>	27584 ( 6BC0 hex )	The current in Amps that will cause a "Shearpin Trip"  A trip will occur if the motor current is greater than the "Trip Level" for the "Trip Time"			
	<b>PNU Name</b>	Shearpin Trip Current				
	<b>PNU Format</b>	32 bit unsigned				
	<b>PNU Note</b>	Linear Scaling ( 1 = 1mA) Current (A) = (Value / 1000)				
Range		( 1 x PNU25728 ) 100% I-motorA - ( 4.5 x PNU25792 ) 450% I-motorA	Default	( 4.5 x PNU25792 ) 350% I-motorA	Type	Read/Write
138	<b>PNU Number</b>	27648 ( 6C00 hex )	The trip time for the Shearpin trip  A trip will occur if the motor current is greater than the "Trip Level" for the "Trip Time"			
	<b>PNU Name</b>	Shearpin Trip Time				
	<b>PNU Format</b>	16 bit unsigned				
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 ms )				
Range		100 ( 64 hex ) 100ms - 9000 ( 2328 hex ) 9000ms	Default	100 ( 64 hex ) 100ms	Type	Read/Write
139	<b>PNU Number</b>	28160 ( 6E00 hex )	A Hand-Auto selection switch can be connected to Digital Input D1-2I to change the 'Control Method' This can be used to change the Start / Stop to 'Hand' if the Communications fails  D1-2I = 0 : Control Method is set to "2-Wire" ( Hand ) D1-2I = 1 : Control Method is set to "Modbus Network" ( Auto )  Hand : Input D1-1I = Start / Stop , Input D2-1I = Reset Auto : PNU 17920 = Start / Stop , PNU 18368 = Reset			
	<b>PNU Name</b>	Hand-Auto Control				
	<b>PNU Format</b>					
	<b>PNU Note</b>	0				
Range		0 ( 0 hex ) Off - 1 ( 1 hex ) On	Default	0 ( 0 hex ) On	Type	Read/Write
140	<b>PNU Number</b>	28224 ( 6E40 hex )	Determines the level in Amps at which the overload will start.  Normally set to 115% of the set motor current (i-motor)  Reduce to speed up trip response			
	<b>PNU Name</b>	Overload Level				
	<b>PNU Format</b>	32 bit unsigned				
	<b>PNU Note</b>	Linear Scaling ( 1 = 1mA) Current (A) = (Value / 1000)				
Range		( 0.5 x PNU25728 ) 50% I-motorA - ( 4.5 x PNU25792 ) 125% I-motorA	Default	( 1.15 x PNU25728 ) 115% I-motorA	Type	Read/Write

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
141	<b>PNU Number</b>	28800 ( 7080 hex )	The current in Amps at which the soft stop ramp is not allowed to go above.  Normally set to 350% motor FLC. Increase if motor decelerates too rapidly.  The current limit level will effect actual time to stop the motor.  Range <input type="text" value="( 1 x PNU25728 ) 100% I-motorA"/> - <input type="text" value="( 4.5 x PNU25792 ) 450% I-motorA"/> Default <input type="text" value="( 3.5 x PNU25728 ) 350% I-motorA"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Stop Current Limit Level	
	<b>PNU Format</b>	32 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1mA) Current (A) = (Value / 1000)	
142	<b>PNU Number</b>	28864 ( 70C0 hex )	The maximum time allowed for the current limit.  If the current limit is still active at the end of this period the Unit will either trip or continue  Range <input type="text" value="1 ( 1 hex ) 1s"/> - <input type="text" value="300 ( 12C hex ) 300s"/> Default <input type="text" value="10 ( A hex ) 10s"/> Type <input type="button" value="Read/Write"/>
	<b>PNU Name</b>	Stop Current Limit Time	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 s )	
143	<b>PNU Number</b>	32000 ( 7D00 hex )	The frequency of the 3-phase supply  Range <input type="text" value="45000 ( AFC8 hex ) 45Hz"/> - <input type="text" value="65000 ( FDE8 hex ) 65Hz"/> Default <input type="text" value="Not Applicable -Hz"/> Type <input type="button" value="Read Only"/>
	<b>PNU Name</b>	Line Frequency	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = mHz) Freq(Hz) = (Value / 1000)	
144	<b>PNU Number</b>	32064 ( 7D40 hex )	Indicates the phase sequence of the incoming supply.  RYB = L1-L2-L3  RBY = L1-L3-L2  Range <input type="text" value="0 ( 0 hex ) L1-L2-L3"/> - <input type="text" value="1 ( 1 hex ) L1-L3-L2"/> Default <input type="text" value="0 ( 0 hex ) L1-L2-L3"/> Type <input type="button" value="Read Only"/>
	<b>PNU Name</b>	Phase Rotation	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Binary value	
145	<b>PNU Number</b>	32896 ( 8080 hex )	The RMS motor current  This is the maximum of the 3 phases. This value is used for the overload and power calculations  Range <input type="text" value="0 ( 0 hex ) 0A"/> - <input type="text" value="10000000 ( 989680 hex ) 10000A"/> Default <input type="text" value="0 ( 0 hex ) 0A"/> Type <input type="button" value="Read Only"/>
	<b>PNU Name</b>	Current Irms	
	<b>PNU Format</b>	32 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1mA) Current (A) = (Value / 1000)	

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
146	<b>PNU Number</b>	32960 ( 80C0 hex )	The RMS 3-phase supply voltage.  This is the average of the 3 phases. This value is used for power calculations  This value is derived internally. If a higher level of accuracy is required a "Fixed Voltage" value can be used.  Range <input type="text" value="0 ( 0 hex ) 0V"/> - <input type="text" value="500 ( 1F4 hex ) 500V"/> Default <input type="text" value="0 ( 0 hex ) 0V"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Vrms (Approx)	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 V )	
147	<b>PNU Number</b>	33024 ( 8100 hex )	The True Power Factor  The True Power Factor = ( Displacement Power Factor x Distortion Power Factor )  Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="1000 ( 3E8 hex ) 1"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	True Power Factor	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.001 )	
148	<b>PNU Number</b>	33408 ( 8280 hex )	The Unit has an "Overload" function that is an electronic equivalent to a thermal overload. "Overload" displays the overload capacity which is a measure of how close the Unit to tripping on "Overload Trip" When "Current Irms" is greater than the "Overload Level" the "Overload" increases in accordance with the "Trip Class". When "Current Irms" is less than "Overload Level" the "Overload" decreases exponentially (if greater than 50%) When the "Overload" reaches 100% the Unit will trip. During situations when (i-motor) is equal to (i-Unit) the overload will indicate 50%  Range <input type="text" value="0 ( 0 hex ) 0%"/> - <input type="text" value="16384 ( 4000 hex ) 100%"/> Default <input type="text" value="0 ( 0 hex ) 0%"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Overload	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	
149	<b>PNU Number</b>	33536 ( 8300 hex )	The RMS current on phase L1  Range <input type="text" value="0 ( 0 hex ) 0A"/> - <input type="text" value="10000000 ( 989680 hex ) 10000A"/> Default <input type="text" value="0 ( 0 hex ) 0A"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	I1	
	<b>PNU Format</b>	32 bit unsigned	
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	
150	<b>PNU Number</b>	33538 ( 8302 hex )	The RMS current on phase L2  Range <input type="text" value="0 ( 0 hex ) 0A"/> - <input type="text" value="10000000 ( 989680 hex ) 10000A"/> Default <input type="text" value="0 ( 0 hex ) 0A"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	I2	
	<b>PNU Format</b>	32 bit unsigned	
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current					
151	<b>PNU Number</b>	33540 ( 8304 hex )	The RMS current on phase L3				
	<b>PNU Name</b>	I3					
	<b>PNU Format</b>	32 bit unsigned					
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)					
		Range	0 ( 0 hex ) 0A - 10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
152	<b>PNU Number</b>	34688 ( 8780 hex )	Total true power  This is an addition of the 3 phases				
	<b>PNU Name</b>	True Power P					
	<b>PNU Format</b>	32 bit unsigned					
	<b>PNU Note</b>	Linear Scaling (1 = 1W) True Power (KW) = (Value / 1000)					
		Range	0 ( 0 hex ) 0kW - 10000000 ( 989680 hex ) 10000kW	Default	0 ( 0 hex ) 0kW	Type	Read Only
153	<b>PNU Number</b>	34816 ( 8800 hex )	Total Apparent Power  This is an addition of the 3 phases				
	<b>PNU Name</b>	Apparent Power S					
	<b>PNU Format</b>	32 bit unsigned					
	<b>PNU Note</b>	Linear Scaling (1 = 1VA) Apparent Power (kVA) = (Value/1000)					
		Range	0 ( 0 hex ) 0kVA - 10000000 ( 989680 hex ) 10000kVA	Default	0 ( 0 hex ) 0kVA	Type	Read Only
154	<b>PNU Number</b>	34944 ( 8880 hex )	Total Reactive power  This is an addition of the 3 phases				
	<b>PNU Name</b>	Reactive Power Q					
	<b>PNU Format</b>	32 bit unsigned					
	<b>PNU Note</b>	Linear Scaling (1 = 1Var) Reactive Power (kVar) = (Value / 1000)					
		Range	0 ( 0 hex ) 0kvar - 10000000 ( 989680 hex ) 10000kvar	Default	0 ( 0 hex ) 0kvar	Type	Read Only
155	<b>PNU Number</b>	35008 ( 88C0 hex )	Indicates the level of potential saving  100% indicates that Unit is saving at its maximum level				
	<b>PNU Name</b>	iERS Saving Level					
	<b>PNU Format</b>	16 bit unsigned					
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )					
		Range	0 ( 0 hex ) 0% - 16384 ( 4000 hex ) 100%	Default	0 ( 0 hex ) 0%	Type	Read Only



SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
156	<b>PNU Number</b>	35200 ( 8980 hex )	User settable voltage level for power calculations  If required can be used to improve accuracy of power calculations  Range <input type="text" value="100 ( 64 hex ) 100V"/> - <input type="text" value="500 ( 1F4 hex ) 500V"/> Default <input type="text" value="500 ( 1F4 hex ) 100V"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Fixed Voltage	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 V )	
157	<b>PNU Number</b>	35264 ( 89C0 hex )	Selects the source for the voltage value used in the power calculations.  on: KW KVar and KVA are calculated using the "Fixed Voltage"  off: KW KVar and KVA are calculated using the internally measured voltage.  Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/>
	<b>PNU Name</b>	Fixed Voltage	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
158	<b>PNU Number</b>	35840 ( 8C00 hex )	The total number of successful starts  Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="4294967295 ( FFFFFFFF hex ) 4294836225"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Number of Starts	
	<b>PNU Format</b>	32 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )	
159	<b>PNU Number</b>	35904 ( 8C40 hex )	The total time the motor has been running  Range <input type="text" value="0s"/> - <input type="text" value="4294836225s"/> Default <input type="text" value="0s"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Motor Running Time	
	<b>PNU Format</b>	32 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )	
160	<b>PNU Number</b>	35906 ( 8C42 hex )	The total time the Unit has been powered up  Range <input type="text" value="0s"/> - <input type="text" value="4294836225s"/> Default <input type="text" value="0s"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Control Supply On Time	
	<b>PNU Format</b>	32 bit unsigned	
	<b>PNU Note</b>	Linear Scaling ( 1 = 1 )	

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
161	<b>PNU Number</b>	36544 ( 8EC0 hex )	The temperature of the internal Unit heatsink.
	<b>PNU Name</b>	HeatSink Temp	The Unit will trip when the heatsink temperature exceeds 80°C.
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1	The internal cooling fans will turn on if this temperature exceeds 40°C
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]	Range <input type="text" value="7872 ( 1EC0 hex ) -20°C"/> - <input type="text" value="1280 ( 500 hex ) 80°C"/> Default <input type="text" value="Not Applicable °C"/> Type <input type="text" value="Read Only"/>
162	<b>PNU Number</b>	37184 ( 9140 hex )	STATUS INDICATION : Ready
	<b>PNU Name</b>	Ready	On : Indicates that the Unit is healthy and ready for a start. Remains on when Running Off : The Unit has not powered up successfully or failed to reset from a trip
	<b>PNU Format</b>	8 bit unsigned	To map to digital output refer to PNU11584-PNU11587
	<b>PNU Note</b>	Binary value	Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read Only"/>
163	<b>PNU Number</b>	37248 ( 9180 hex )	STATUS INDICATION : Enabled
	<b>PNU Name</b>	Enabled	On : Indicates that the Unit is enabled and the motor is being controlled. Remains on when Running Off : The Unit has detected a fault and tripped
	<b>PNU Format</b>	8 bit unsigned	To map to digital output refer to PNU11584-PNU11587
	<b>PNU Note</b>	Binary value	Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read Only"/>
164	<b>PNU Number</b>	37312 ( 91C0 hex )	STATUS INDICATION : Error
	<b>PNU Name</b>	Error	On : Indicates that the Unit has detected a fault and has shut down. Off : The Unit is fault free
	<b>PNU Format</b>	8 bit unsigned	The fault must be cleared before a reset To map to digital output refer to PNU11584-PNU11587
	<b>PNU Note</b>	Binary value	Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read Only"/>
165	<b>PNU Number</b>	37376 ( 9200 hex )	Indicates that the Reset Delay counter is counting down
	<b>PNU Name</b>	Auto Reset Pending	Yes : The Auto Reset Delay is counting down No : The Auto Reset Delay is not counting down
	<b>PNU Format</b>	8 bit unsigned	To map to digital output refer to PNU11584-PNU11587
	<b>PNU Note</b>	Binary value	Range <input type="text" value="0 ( 0 hex ) No"/> - <input type="text" value="1 ( 1 hex ) Yes"/> Default <input type="text" value="0 ( 0 hex ) No"/> Type <input type="text" value="Read Only"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
166	<b>PNU Number</b>	37568 ( 92C0 hex )	Indicates that the maximum number of reset attempts has been reached.  Yes : The number of reset attempts has exceeded the value set No : The number of reset attempts has not exceeded the value set  To map to digital output refer to PNU11584-PNU11587
	<b>PNU Name</b>	Auto Reset Exceeded	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
		Range	<input type="text" value="0 ( 0 hex ) No"/> - <input type="text" value="1 ( 1 hex ) Yes"/>
		Default	<input type="text" value="0 ( 0 hex ) No"/>
		Type	<input type="text" value="Read Only"/>
167	<b>PNU Number</b>	37632 ( 9300 hex )	STATUS INDICATION : Running  On : Indicates that the unit has been given a run command and the motor is being controlled. Off : The Unit has detected a fault and tripped  To map to digital output refer to PNU11584-PNU11587
	<b>PNU Name</b>	Running	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
		Range	<input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/>
		Default	<input type="text" value="0 ( 0 hex ) Off"/>
		Type	<input type="text" value="Read Only"/>
168	<b>PNU Number</b>	37632 ( 9300 hex )	STATUS INDICATION : Running  On : Indicates that the unit has been given a run command and the motor is being controlled. Off : The Unit has detected a fault and tripped  To map to digital output refer to PNU11584-PNU11587
	<b>PNU Name</b>	Running	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
		Range	<input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/>
		Default	<input type="text" value="0 ( 0 hex ) Off"/>
		Type	<input type="text" value="Read Only"/>
169	<b>PNU Number</b>	37760 ( 9380 hex )	STATUS INDICATION : End Of Start  On : Indicates that the Soft Start ramp has been completed. Off : The Unit is disabled or ramping down.  To map to digital output refer to PNU11584-PNU11587
	<b>PNU Name</b>	End Of Start	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
		Range	<input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/>
		Default	<input type="text" value="0 ( 0 hex ) Off"/>
		Type	<input type="text" value="Read Only"/>
170	<b>PNU Number</b>	37824 ( 93C0 hex )	STATUS INDICATION : Current Limit  On : The ramp is being held because "Current Irms" is greater or equal to " Current Limit Level " Off : The ramp is not being held because " Current Irms " is less than " Current Limit Level "  To map to digital output refer to PNU11584-PNU11588
	<b>PNU Name</b>	Current Limit	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
		Range	<input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/>
		Default	<input type="text" value="0 ( 0 hex ) Off"/>
		Type	<input type="text" value="Read Only"/>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
171	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>38080 ( 94C0 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>iERS Active</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	38080 ( 94C0 hex )	<b>PNU Name</b>	iERS Active	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>STATUS INDICATION : iERS Active</p> <p>On : Indicates that the Unit is operating in the iERS energy saving Mode. Off : The iERS saving mode has been disabled either internally or via ModbusPNU 21120</p> <p>To map to digital output refer to PNU11584-PNU11587</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	38080 ( 94C0 hex )									
<b>PNU Name</b>	iERS Active									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
172	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>38144 ( 9500 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Shearpin</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	38144 ( 9500 hex )	<b>PNU Name</b>	Shearpin	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>STATUS INDICATION : Shearpin</p> <p>On : Indicates that the motor current is above the Shearpin Level Off : Indicates that the motor current is below the Shearpin Level</p> <p>To map to digital output refer to PNU11584-PNU11587</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	38144 ( 9500 hex )									
<b>PNU Name</b>	Shearpin									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
173	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>38208 ( 9540 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Low Current</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	38208 ( 9540 hex )	<b>PNU Name</b>	Low Current	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>STATUS INDICATION : Low Current</p> <p>On : Indicates that the motor current is below the Low Current Level Off : Indicates that the motor current is above the Low Current Level</p> <p>To map to digital output refer to PNU11584-PNU11587</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	38208 ( 9540 hex )									
<b>PNU Name</b>	Low Current									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
174	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>38400 ( 9600 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Last Peak Current</td> </tr> <tr> <td><b>PNU Format</b></td> <td>32 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	<b>PNU Number</b>	38400 ( 9600 hex )	<b>PNU Name</b>	Last Peak Current	<b>PNU Format</b>	32 bit unsigned	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful start.</p> <p>Range <input type="text" value="0 ( 0 hex ) 0A"/> - <input type="text" value="10000000 ( 989680 hex ) 10000A"/> Default <input type="text" value="0 ( 0 hex ) 0A"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	38400 ( 9600 hex )									
<b>PNU Name</b>	Last Peak Current									
<b>PNU Format</b>	32 bit unsigned									
<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)									
175	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>38402 ( 9602 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Last peak start current -1</td> </tr> <tr> <td><b>PNU Format</b></td> <td>32 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	<b>PNU Number</b>	38402 ( 9602 hex )	<b>PNU Name</b>	Last peak start current -1	<b>PNU Format</b>	32 bit unsigned	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful start -1</p> <p>Range <input type="text" value="0 ( 0 hex ) 0A"/> - <input type="text" value="10000000 ( 989680 hex ) 10000A"/> Default <input type="text" value="0 ( 0 hex ) 0A"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	38402 ( 9602 hex )									
<b>PNU Name</b>	Last peak start current -1									
<b>PNU Format</b>	32 bit unsigned									
<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
176	<b>PNU Number</b>	38404 ( 9604 hex )	Displays the peak current of the last successful start -2					
	<b>PNU Name</b>	Last peak start current -2						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
177	<b>PNU Number</b>	38406 ( 9606 hex )	Displays the peak current of the last successful start -3					
	<b>PNU Name</b>	Last peak start current -3						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
178	<b>PNU Number</b>	38408 ( 9608 hex )	Displays the peak current of the last successful start -4					
	<b>PNU Name</b>	Last peak start current -4						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
179	<b>PNU Number</b>	38410 ( 960A hex )	Displays the peak current of the last successful start -5					
	<b>PNU Name</b>	Last peak start current -5						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
180	<b>PNU Number</b>	38412 ( 960C hex )	Displays the peak current of the last successful start -6					
	<b>PNU Name</b>	Last peak start current -6						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
181	<b>PNU Number</b>	38414 ( 960E hex )	Displays the peak current of the last successful start -7					
	<b>PNU Name</b>	Last peak start current -7						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
182	<b>PNU Number</b>	38416 ( 9610 hex )	Displays the peak current of the last successful start -8					
	<b>PNU Name</b>	Last peak start current -8						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
183	<b>PNU Number</b>	38418 ( 9612 hex )	Displays the peak current of the last successful start -9					
	<b>PNU Name</b>	Last peak start current -9						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
184	<b>PNU Number</b>	38464 ( 9640 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak start current / Last Temperature / Last Overload ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
185	<b>PNU Number</b>	38467 ( 9643 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak start current / Last Temperature / Last Overload -1 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
186	<b>PNU Number</b>	38470 ( 9646 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak start current / Last Temperature / Last Overload -2 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
187	<b>PNU Number</b>	38473 ( 9649 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak start current / Last Temperature / Last Overload -3 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
188	<b>PNU Number</b>	38476 ( 964C hex )	Displays the event time					
	<b>PNU Name</b>	Last peak start current / Last Temperature / Last Overload -4 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
189	<b>PNU Number</b>	38479 ( 964F hex )	Displays the event time					
	<b>PNU Name</b>	Last peak start current / Last Temperature / Last Overload -5 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
190	<b>PNU Number</b>	38482 ( 9652 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak start current / Last Temperature / Last Overload -6 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
191	<b>PNU Number</b>	38485 ( 9655 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak start current / Last Temperature / Last Overload -7 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
192	<b>PNU Number</b>	38488 ( 9658 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak start current / Last Temperature / Last Overload -8 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
193	<b>PNU Number</b>	38491 ( 965B hex )	Displays the event time					
	<b>PNU Name</b>	Last peak start current / Last Temperature / Last Overload -9 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
194	<b>PNU Number</b>	39040 ( 9880 hex )	Displays the peak current of the last successful stop					
	<b>PNU Name</b>	Last peak stop current						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
195	<b>PNU Number</b>	39042 ( 9882 hex )	Displays the peak current of the last successful stop -1					
	<b>PNU Name</b>	Last peak stop current -1						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only



SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
196	<b>PNU Number</b>	39044 ( 9884 hex )	Displays the peak current of the last successful stop -2					
	<b>PNU Name</b>	Last peak stop current -2						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
197	<b>PNU Number</b>	39046 ( 9886 hex )	Displays the peak current of the last successful stop -3					
	<b>PNU Name</b>	Last peak stop current -3						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
198	<b>PNU Number</b>	39048 ( 9888 hex )	Displays the peak current of the last successful stop -4					
	<b>PNU Name</b>	Last peak stop current -4						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
199	<b>PNU Number</b>	39050 ( 988A hex )	Displays the peak current of the last successful stop -5					
	<b>PNU Name</b>	Last peak stop current -5						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
200	<b>PNU Number</b>	39052 ( 988C hex )	Displays the peak current of the last successful stop -6					
	<b>PNU Name</b>	Last peak stop current -6						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
201	<b>PNU Number</b>	39054 ( 988E hex )	Displays the peak current of the last successful stop -7					
	<b>PNU Name</b>	Last peak stop current -7						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
202	<b>PNU Number</b>	39056 ( 9890 hex )	Displays the peak current of the last successful stop -8					
	<b>PNU Name</b>	Last peak stop current -8						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
203	<b>PNU Number</b>	39058 ( 9892 hex )	Displays the peak current of the last successful stop -9					
	<b>PNU Name</b>	Last peak stop current -9						
	<b>PNU Format</b>	32 bit unsigned						
	<b>PNU Note</b>	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)						
Range		0 ( 0 hex ) 0A	-	10000000 ( 989680 hex ) 10000A	Default	0 ( 0 hex ) 0A	Type	Read Only
204	<b>PNU Number</b>	39104 ( 98C0 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak stop current ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
205	<b>PNU Number</b>	39107 ( 98C3 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak stop current -1 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
206	<b>PNU Number</b>	39110 ( 98C6 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak stop current -2 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
207	<b>PNU Number</b>	39113 ( 98C9 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak stop current -3 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
208	<b>PNU Number</b>	39116 ( 98CC hex )	Displays the event time					
	<b>PNU Name</b>	Last peak stop current -4 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
209	<b>PNU Number</b>	39119 ( 98CF hex )	Displays the event time					
	<b>PNU Name</b>	Last peak stop current -5 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
210	<b>PNU Number</b>	39122 ( 98D2 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak stop current -6 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
211	<b>PNU Number</b>	39125 ( 98D5 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak stop current -7 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
212	<b>PNU Number</b>	39128 ( 98D8 hex )	Displays the event time					
	<b>PNU Name</b>	Last peak stop current -8 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
213	<b>PNU Number</b>	39131 ( 98DB hex )	Displays the event time					
	<b>PNU Name</b>	Last peak stop current -9 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
214	<b>PNU Number</b>	39680 ( 9B00 hex )	Displays the heatsink temperature at the end of the last successful start					
	<b>PNU Name</b>	Last temperature						
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1						
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]						
Range		7872 ( 1EC0 hex ) -20°C	-	1280 ( 500 hex ) 80°C	Default	Not Applicable °C	Type	Read Only
215	<b>PNU Number</b>	39681 ( 9B01 hex )	Displays the heatsink temperature at the end of the last successful start -1					
	<b>PNU Name</b>	Last temperature -1						
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1						
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]						
Range		7872 ( 1EC0 hex ) -20°C	-	1280 ( 500 hex ) 80°C	Default	Not Applicable °C	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current			
216	<b>PNU Number</b>	39682 ( 9B02 hex )	Displays the heatsink temperature at the end of the last successful start -2		
	<b>PNU Name</b>	Last temperature -2			
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1			
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]			
Range		7872 ( 1EC0 hex ) -20°C	-	1280 ( 500 hex ) 80°C	Default Not Applicable °C Type Read Only
217	<b>PNU Number</b>	39683 ( 9B03 hex )	Displays the heatsink temperature at the end of the last successful start-3		
	<b>PNU Name</b>	Last temperature -3			
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1			
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]			
Range		7872 ( 1EC0 hex ) -20°C	-	1280 ( 500 hex ) 80°C	Default Not Applicable °C Type Read Only
218	<b>PNU Number</b>	39684 ( 9B04 hex )	Displays the heatsink temperature at the end of the last successful start-4		
	<b>PNU Name</b>	Last temperature -4			
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1			
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]			
Range		7872 ( 1EC0 hex ) -20°C	-	1280 ( 500 hex ) 80°C	Default Not Applicable °C Type Read Only
219	<b>PNU Number</b>	39685 ( 9B05 hex )	Displays the heatsink temperature at the end of the last successful start-5		
	<b>PNU Name</b>	Last temperature -5			
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1			
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]			
Range		7872 ( 1EC0 hex ) -20°C	-	1280 ( 500 hex ) 80°C	Default Not Applicable °C Type Read Only
220	<b>PNU Number</b>	39686 ( 9B06 hex )	Displays the heatsink temperature at the end of the last successful start-6		
	<b>PNU Name</b>	Last temperature -6			
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1			
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]			
Range		7872 ( 1EC0 hex ) -20°C	-	1280 ( 500 hex ) 80°C	Default Not Applicable °C Type Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current							
221	<b>PNU Number</b>	39687 ( 9B07 hex )	Displays the heatsink temperature at the end of the last successful start-7						
	<b>PNU Name</b>	Last temperature -7							
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1							
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]							
		Range	7872 ( 1EC0 hex ) -20°C	-	1280 ( 500 hex ) 80°C	Default	Not Applicable °C	Type	Read Only
222	<b>PNU Number</b>	39688 ( 9B08 hex )	Displays the heatsink temperature at the end of the last successful start-8						
	<b>PNU Name</b>	Last temperature -8							
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1							
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]							
		Range	7872 ( 1EC0 hex ) -20°C	-	1280 ( 500 hex ) 80°C	Default	Not Applicable °C	Type	Read Only
223	<b>PNU Number</b>	39689 ( 9B09 hex )	Displays the heatsink temperature at the end of the last successful start-9						
	<b>PNU Name</b>	Last temperature -9							
	<b>PNU Format</b>	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1							
	<b>PNU Note</b>	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]							
		Range	7872 ( 1EC0 hex ) -20°C	-	1280 ( 500 hex ) 80°C	Default	Not Applicable °C	Type	Read Only
224	<b>PNU Number</b>	40320 ( 9D80 hex )	Displays the overload level at the end of the last successful start						
	<b>PNU Name</b>	Last overload							
	<b>PNU Format</b>	16 bit unsigned							
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )							
		Range	0 ( 0 hex ) 0%	-	16384 ( 4000 hex ) 100%	Default	0 ( 0 hex ) 0%	Type	Read Only
225	<b>PNU Number</b>	40321 ( 9D81 hex )	Displays the overload level at the end of the last successful start -1						
	<b>PNU Name</b>	Last overload-1							
	<b>PNU Format</b>	16 bit unsigned							
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )							
		Range	0 ( 0 hex ) 0%	-	16384 ( 4000 hex ) 100%	Default	0 ( 0 hex ) 0%	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current					
226	<b>PNU Number</b>	40322 ( 9D82 hex )	Displays the overload level at the end of the last successful start -2				
	<b>PNU Name</b>	Last overload-2					
	<b>PNU Format</b>	16 bit unsigned					
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )					
		Range	0 ( 0 hex ) 0% - 16384 ( 4000 hex ) 100%	Default	0 ( 0 hex ) 0%	Type	Read Only
227	<b>PNU Number</b>	40323 ( 9D83 hex )	Displays the overload level at the end of the last successful start -3				
	<b>PNU Name</b>	Last overload-3					
	<b>PNU Format</b>	16 bit unsigned					
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )					
		Range	0 ( 0 hex ) 0% - 16384 ( 4000 hex ) 100%	Default	0 ( 0 hex ) 0%	Type	Read Only
228	<b>PNU Number</b>	40324 ( 9D84 hex )	Displays the overload level at the end of the last successful start -4				
	<b>PNU Name</b>	Last overload-4					
	<b>PNU Format</b>	16 bit unsigned					
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )					
		Range	0 ( 0 hex ) 0% - 16384 ( 4000 hex ) 100%	Default	0 ( 0 hex ) 0%	Type	Read Only
229	<b>PNU Number</b>	40325 ( 9D85 hex )	Displays the overload level at the end of the last successful start -5				
	<b>PNU Name</b>	Last overload-5					
	<b>PNU Format</b>	16 bit unsigned					
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )					
		Range	0 ( 0 hex ) 0% - 16384 ( 4000 hex ) 100%	Default	0 ( 0 hex ) 0%	Type	Read Only
230	<b>PNU Number</b>	40326 ( 9D86 hex )	Displays the overload level at the end of the last successful start -6				
	<b>PNU Name</b>	Last overload-6					
	<b>PNU Format</b>	16 bit unsigned					
	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )					
		Range	0 ( 0 hex ) 0% - 16384 ( 4000 hex ) 100%	Default	0 ( 0 hex ) 0%	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
231	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>40327 ( 9D87 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Last overload-7</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling ( 1 = 0.006104 % )</td> </tr> </table>	<b>PNU Number</b>	40327 ( 9D87 hex )	<b>PNU Name</b>	Last overload-7	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	<p>Displays the overload level at the end of the last successful start -7</p> <p>Range <input type="text" value="0 ( 0 hex ) 0%"/> - <input type="text" value="16384 ( 4000 hex ) 100%"/> Default <input type="text" value="0 ( 0 hex ) 0%"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	40327 ( 9D87 hex )									
<b>PNU Name</b>	Last overload-7									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )									
232	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>40328 ( 9D88 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Last overload-8</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling ( 1 = 0.006104 % )</td> </tr> </table>	<b>PNU Number</b>	40328 ( 9D88 hex )	<b>PNU Name</b>	Last overload-8	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	<p>Displays the overload level at the end of the last successful start -8</p> <p>Range <input type="text" value="0 ( 0 hex ) 0%"/> - <input type="text" value="16384 ( 4000 hex ) 100%"/> Default <input type="text" value="0 ( 0 hex ) 0%"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	40328 ( 9D88 hex )									
<b>PNU Name</b>	Last overload-8									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )									
233	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>40329 ( 9D89 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Last overload-9</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling ( 1 = 0.006104 % )</td> </tr> </table>	<b>PNU Number</b>	40329 ( 9D89 hex )	<b>PNU Name</b>	Last overload-9	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	<p>Displays the overload level at the end of the last successful start -9</p> <p>Range <input type="text" value="0 ( 0 hex ) 0%"/> - <input type="text" value="16384 ( 4000 hex ) 100%"/> Default <input type="text" value="0 ( 0 hex ) 0%"/> Type <input type="text" value="Read Only"/></p>
<b>PNU Number</b>	40329 ( 9D89 hex )									
<b>PNU Name</b>	Last overload-9									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )									
234	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>44864 ( AF40 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Trip Sensitivity</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Linear Scaling ( 1 = 0.006104 % )</td> </tr> </table>	<b>PNU Number</b>	44864 ( AF40 hex )	<b>PNU Name</b>	Trip Sensitivity	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )	<p>Adjusts the reaction time to fault trips</p> <p>Increase "Trip Sensitivity" to slow the response to fault trips. Sometimes useful on sites where electrical noise is causing nuisance tripping</p> <p>This is a global setting. Increasing "Trip Sensitivity" will slow the response of all the trips.</p> <p>Range <input type="text" value="0 ( 0 hex ) 0%"/> - <input type="text" value="16384 ( 4000 hex ) 100%"/> Default <input type="text" value="0 ( 0 hex ) 0%"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	44864 ( AF40 hex )									
<b>PNU Name</b>	Trip Sensitivity									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Linear Scaling ( 1 = 0.006104 % )									
235	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53762 ( D202 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Input Side Phase Loss</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53762 ( D202 hex )	<b>PNU Name</b>	Input Side Phase Loss	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Detects if there is a disconnection between the Unit input and the supply when the motor is running.</p> <p>On : Trips if there is a disconnection between the input side of the Unit and the supply when the motor is running.</p> <p>Off : The Unit will attempt to run although the operation may be erratic. Operating in this mode for prolonged periods may result in SCR failure</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53762 ( D202 hex )									
<b>PNU Name</b>	Input Side Phase Loss									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									



SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
236	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53768 ( D208 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Thermal Sensor Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53768 ( D208 hex )	<b>PNU Name</b>	Thermal Sensor Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Detects if the internal temperature sensor has malfunctioned</p> <p>On : The Unit will trip if the internal temperature sensor malfunctions</p> <p>Off : The Unit will continue to operate even if the temperature sensor has malfunctioned. Operating in this mode for prolonged periods may result in SCR failure</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53768 ( D208 hex )									
<b>PNU Name</b>	Thermal Sensor Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
237	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53769 ( D209 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Shut Down (1)</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53769 ( D209 hex )	<b>PNU Name</b>	Shut Down (1)	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>This features controls the soft stop improve stability</p> <p>On : The stop time is truncated if the motor experiences severe torque fluctuations during the soft stop</p> <p>Off : The motor will stop in the set time.</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53769 ( D209 hex )									
<b>PNU Name</b>	Shut Down (1)									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
238	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53770 ( D20A hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Shut Down (2)</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53770 ( D20A hex )	<b>PNU Name</b>	Shut Down (2)	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>This features controls the soft stop improve stability</p> <p>On : The stop time is truncated if the motor experiences severe torque fluctuations during the soft stop</p> <p>Off : The motor will stop in the set time.</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53770 ( D20A hex )									
<b>PNU Name</b>	Shut Down (2)									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
239	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53774 ( D20E hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Thyristor Firing Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53774 ( D20E hex )	<b>PNU Name</b>	Thyristor Firing Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Detects if there is a fault with one or more of the internal Thyristors or bypass relays</p> <p>On : Trips if one or more of the Thyristors / bypass relays has failed short circuit. ISOLATE SUPPLY. Check by measuring the resistance between L1 -T1 L2 -T2 L3 -T3 ( Anything &lt; 10R is assumed short circuit)</p> <p>Off : The Unit will attempt to start and run although the operation may be erratic. Operating in this mode for prolonged periods may result in SCR failure</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53774 ( D20E hex )									
<b>PNU Name</b>	Thyristor Firing Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
240	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53775 ( D20F hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Current Sensor Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53775 ( D20F hex )	<b>PNU Name</b>	Current Sensor Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Detects if the internal current sensors have failed or reading a very low level.</p> <p>On : The Unit will trip if the internal current sensors fail or the current measured falls to a very low level</p> <p>Off : Will continue to operate even if the sensor has failed. Measurements and overload protection may be effected</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53775 ( D20F hex )									
<b>PNU Name</b>	Current Sensor Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
241	<b>PNU Number</b>	53777 ( D211 hex )	Detects if there is a disconnection between the Unit output and the motor  On : Trips if there is a disconnection between the output side of the Unit and the motor  Off : The Unit will attempt to start and run although the operation may be erratic. Operating in this mode for prolonged periods may result in SCR failure
	<b>PNU Name</b>	Motor Side Phase Loss	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
Range		0 ( 0 hex ) Off - 1 ( 1 hex ) On	Default 1 ( 1 hex ) On Type Read/Write
242	<b>PNU Number</b>	53781 ( D215 hex )	Detects if there is a fault with operation of one or more of the internal Thyristors  On : Trips if one or more of the Thyristors fails to turn on properly.  Off : The Unit will attempt to start and run although the operation may be erratic. Operating in this mode for prolonged periods may result in SCR failure
	<b>PNU Name</b>	Sensing Fault Trip	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
Range		0 ( 0 hex ) Off - 1 ( 1 hex ) On	Default 1 ( 1 hex ) On Type Read/Write
243	<b>PNU Number</b>	53782 ( D216 hex )	Detects if the cooling fans have failed.  On : The Unit trips if the cooling fans fitted to the Unit fail.  Off : Will continue to operate and is likely to trip on a thermal trip as the heatsink will not be sufficiently cooled
	<b>PNU Name</b>	Fan Trip	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
Range		0 ( 0 hex ) Off - 1 ( 1 hex ) On	Default 1 ( 1 hex ) On Type Read/Write
244	<b>PNU Number</b>	53787 ( D21B hex )	This can be used to detect if the motor is running lightly loaded.  On : The Unit will trip. This feature is not active during soft start and soft stop.  Off: The Unit will continue to operate regardless of motor current
	<b>PNU Name</b>	Low Current Trip	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
Range		0 ( 0 hex ) Off - 1 ( 1 hex ) On	Default 0 ( 0 hex ) Off Type Read/Write
245	<b>PNU Number</b>	53790 ( D21E hex )	Selects trip or continue if the current limit has been active for too long  On : The Unit will trip  Off: The start will continue regardless of the motor current level
	<b>PNU Name</b>	Start Current Limit Trip	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
Range		0 ( 0 hex ) Off - 1 ( 1 hex ) On	Default 1 ( 1 hex ) On Type Read/Write

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
246	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53791 ( D21F hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Stop Current Limit Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53791 ( D21F hex )	<b>PNU Name</b>	Stop Current Limit Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Selects trip or continue if the stop current limit has been active for too long</p> <p>On : The Unit will trip</p> <p>Off: The stop will continue regardless of the motor current level</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	53791 ( D21F hex )									
<b>PNU Name</b>	Stop Current Limit Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
247	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53792 ( D220 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Overload Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53792 ( D220 hex )	<b>PNU Name</b>	Overload Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>The Unit has an "Overload" function that is an electronic equivalent to a thermal overload.</p> <p>On : The Unit will trip when the "Overload" capacity (ModbusPNU 33408) exceeds 100%</p> <p>Off: The Unit will continue to operate regardless of motor current level</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	53792 ( D220 hex )									
<b>PNU Name</b>	Overload Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
248	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53793 ( D221 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Shearpin Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53793 ( D221 hex )	<b>PNU Name</b>	Shearpin Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>The Shearpin is an electronic equivalent of a mechanical Shearpin</p> <p>On : The Unit will trip. This feature is not active during soft start and soft stop.</p> <p>Off: The Unit will continue to operate regardless of motor current level</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	53793 ( D221 hex )									
<b>PNU Name</b>	Shearpin Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
249	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53794 ( D222 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>PTC Motor Thermistor Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53794 ( D222 hex )	<b>PNU Name</b>	PTC Motor Thermistor Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>A single PTC motor thermistor or set of PTC motor thermistors can be connected to the PTC terminals.</p> <p>On :The Unit will trip if the motor thermistor exceed its response temperature or the PTC input is open circuit</p> <p>Off : The Unit will continue to operate.</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	53794 ( D222 hex )									
<b>PNU Name</b>	PTC Motor Thermistor Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
250	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53795 ( D223 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>External Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53795 ( D223 hex )	<b>PNU Name</b>	External Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Allows a trip to be forced using one of the digital inputs</p> <p>On : Trips when the programmed input is active</p> <p>Off : External Trip is disabled</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) On"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	53795 ( D223 hex )									
<b>PNU Name</b>	External Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
251	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53796 ( D224 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Communications Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53796 ( D224 hex )	<b>PNU Name</b>	Communications Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Detects if the communications bus has failed or become inactive. To keep the bus active there must be at least one Modbus read or write (any PNU) during the "Timeout ms" period (ModbusPNU 15808)</p> <p>On :Communication trip enabled.</p> <p>Off : Communication trip disabled.</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53796 ( D224 hex )									
<b>PNU Name</b>	Communications Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
252	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53798 ( D226 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Operation 1 Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53798 ( D226 hex )	<b>PNU Name</b>	Operation 1 Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Detects if the keypad Board has failed to operate normally</p> <p>On : Operation 1 trip enabled.</p> <p>Off : Operation 1 trip disabled.</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) Off"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53798 ( D226 hex )									
<b>PNU Name</b>	Operation 1 Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
253	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53799 ( D227 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Operation 2 Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53799 ( D227 hex )	<b>PNU Name</b>	Operation 2 Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Detects if the logging function has failed to operate normally</p> <p>On : Operation 2 trip enabled.</p> <p>Off : Operation 2 trip disabled.</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) Off"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53799 ( D227 hex )									
<b>PNU Name</b>	Operation 2 Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
254	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53800 ( D228 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Operation 3 Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td>8 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	53800 ( D228 hex )	<b>PNU Name</b>	Operation 3 Trip	<b>PNU Format</b>	8 bit unsigned	<b>PNU Note</b>	Binary value	<p>Detects if the Control Board has failed to operate normally</p> <p>On : Operation 3 trip enabled.</p> <p>Off : Operation 3 trip disabled.</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="1 ( 1 hex ) On"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53800 ( D228 hex )									
<b>PNU Name</b>	Operation 3 Trip									
<b>PNU Format</b>	8 bit unsigned									
<b>PNU Note</b>	Binary value									
255	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>53802 ( D22A hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Communications Shutdown</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>0</td> </tr> </table>	<b>PNU Number</b>	53802 ( D22A hex )	<b>PNU Name</b>	Communications Shutdown	<b>PNU Format</b>		<b>PNU Note</b>	0	<p>This works in conjunction with the 'Communications Trip'.</p> <p>On : If the 'Communication Trip' is turned 'On' the unit will shutdown instead of tripping if the communications fail</p> <p>Off : If the 'Communication Trip' is turned 'On' the unit will trip if the communications fail</p> <p>Range <input type="text" value="0 ( 0 hex ) Off"/> - <input type="text" value="1 ( 1 hex ) On"/> Default <input type="text" value="0 ( 0 hex ) Off"/> Type <input type="text" value="Read/Write"/></p>
<b>PNU Number</b>	53802 ( D22A hex )									
<b>PNU Name</b>	Communications Shutdown									
<b>PNU Format</b>										
<b>PNU Note</b>	0									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current	
256	<b>PNU Number</b>	53803 ( D22B hex )	For safety purposes the Unit has been designed to trip if the front cover is open
	<b>PNU Name</b>	Cover Open Trip	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
Range		0 ( 0 hex ) Off - 1 ( 1 hex ) On	Default 0 ( 0 hex ) Off Type Read/Write
257	<b>PNU Number</b>	53804 ( D22C hex )	For safety reasons the Unit will trip during some operations if the remote start signal is active
	<b>PNU Name</b>	Remote Start Trip	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
Range		0 ( 0 hex ) Off - 1 ( 1 hex ) On	Default 1 ( 1 hex ) On Type Read/Write
258	<b>PNU Number</b>	53807 ( D22F hex )	Determines if supply phase sequence is incorrect for motor rotation
	<b>PNU Name</b>	L1-L3-L2 Trip	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
Range		0 ( 0 hex ) Off - 1 ( 1 hex ) On	Default 0 ( 0 hex ) Off Type Read/Write
259	<b>PNU Number</b>	53808 ( D230 hex )	Determines if supply phase sequence is incorrect for motor rotation
	<b>PNU Name</b>	L1-L2-L3 Trip	
	<b>PNU Format</b>	8 bit unsigned	
	<b>PNU Note</b>	Binary value	
Range		0 ( 0 hex ) Off - 1 ( 1 hex ) On	Default 0 ( 0 hex ) Off Type Read/Write
260	<b>PNU Number</b>	59392 ( E800 hex )	Local Touch Screen : Control using the button on the keypad User Programmable : Control using the terminals. Function defined in "I/O" menu Two Wire Control : Control using terminals. Functions fixed as shown on screen Three Wire Control : Control using terminals. Functions fixed as shown on screen
	<b>PNU Name</b>	Control Method	
	<b>PNU Format</b>	16 bit unsigned	
	<b>PNU Note</b>	0 = Local, 1 = User, 2 = TwoWire, 3 = ThreeWire, 4 = Modbus	
Range		0 ( 0 hex ) Local Touch Screen - 4 ( 4 hex ) Modbus Network	Default 0 ( 0 hex ) Local Touch Screen Type Read/Write

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current		
261	<b>PNU Number</b>	60608 ( ECC0 hex )	Displays the last Fault trip	Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Last Trip		
	<b>PNU Format</b>	16 bit unsigned		
	<b>PNU Note</b>	Linear Scaling ( 1 =1 ) See Trip Code Descriptions		
262	<b>PNU Number</b>	60609 ( ECC1 hex )	Displays the last Fault trip -1	Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Last Trip -1		
	<b>PNU Format</b>	16 bit unsigned		
	<b>PNU Note</b>	Linear Scaling ( 1 =1 ) See Trip Code Descriptions		
263	<b>PNU Number</b>	60610 ( ECC2 hex )	Displays the last Fault trip -2	Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Last Trip -2		
	<b>PNU Format</b>	16 bit unsigned		
	<b>PNU Note</b>	Linear Scaling ( 1 =1 ) See Trip Code Descriptions		
264	<b>PNU Number</b>	60611 ( ECC3 hex )	Displays the last Fault trip -3	Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Last Trip -3		
	<b>PNU Format</b>	16 bit unsigned		
	<b>PNU Note</b>	Linear Scaling ( 1 =1 ) See Trip Code Descriptions		
265	<b>PNU Number</b>	60612 ( ECC4 hex )	Displays the last Fault trip -4	Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="text" value="Read Only"/>
	<b>PNU Name</b>	Last Trip -4		
	<b>PNU Format</b>	16 bit unsigned		
	<b>PNU Note</b>	Linear Scaling ( 1 =1 ) See Trip Code Descriptions		

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
266	<b>PNU Number</b>	60613 ( ECC5 hex )	Displays the last Fault trip -5					
	<b>PNU Name</b>	Last Trip -5						
	<b>PNU Format</b>	16 bit unsigned						
	<b>PNU Note</b>	Linear Scaling ( 1 =1 ) See Trip Code Descriptions						
Range		0 ( 0 hex ) 0	-	65535 ( FFFF hex ) 65535	Default	0 ( 0 hex ) 0	Type	Read Only
267	<b>PNU Number</b>	60614 ( ECC6 hex )	Displays the last Fault trip -6					
	<b>PNU Name</b>	Last Trip -6						
	<b>PNU Format</b>	16 bit unsigned						
	<b>PNU Note</b>	Linear Scaling ( 1 =1 ) See Trip Code Descriptions						
Range		0 ( 0 hex ) 0	-	65535 ( FFFF hex ) 65535	Default	0 ( 0 hex ) 0	Type	Read Only
268	<b>PNU Number</b>	60615 ( ECC7 hex )	Displays the last Fault trip -7					
	<b>PNU Name</b>	Last Trip -7						
	<b>PNU Format</b>	16 bit unsigned						
	<b>PNU Note</b>	Linear Scaling ( 1 =1 ) See Trip Code Descriptions						
Range		0 ( 0 hex ) 0	-	65535 ( FFFF hex ) 65535	Default	0 ( 0 hex ) 0	Type	Read Only
269	<b>PNU Number</b>	60616 ( ECC8 hex )	Displays the last Fault trip -8					
	<b>PNU Name</b>	Last Trip -8						
	<b>PNU Format</b>	16 bit unsigned						
	<b>PNU Note</b>	Linear Scaling ( 1 =1 ) See Trip Code Descriptions						
Range		0 ( 0 hex ) 0	-	65535 ( FFFF hex ) 65535	Default	0 ( 0 hex ) 0	Type	Read Only
270	<b>PNU Number</b>	60617 ( ECC9 hex )	Displays the last Fault trip -9					
	<b>PNU Name</b>	Last Trip -9						
	<b>PNU Format</b>	16 bit unsigned						
	<b>PNU Note</b>	Linear Scaling ( 1 =1 ) See Trip Code Descriptions						
Range		0 ( 0 hex ) 0	-	65535 ( FFFF hex ) 65535	Default	0 ( 0 hex ) 0	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
271	<b>PNU Number</b>	60672 ( ED00 hex )	Displays the event time					
	<b>PNU Name</b>	Last Trip ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
272	<b>PNU Number</b>	60675 ( ED03 hex )	Displays the event time					
	<b>PNU Name</b>	Last Trip -1 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
273	<b>PNU Number</b>	60678 ( ED06 hex )	Displays the event time					
	<b>PNU Name</b>	Last Trip -2 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
274	<b>PNU Number</b>	60681 ( ED09 hex )	Displays the event time					
	<b>PNU Name</b>	Last Trip -3 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
275	<b>PNU Number</b>	60684 ( EDOC hex )	Displays the event time					
	<b>PNU Name</b>	Last Trip -4 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only



SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current						
276	<b>PNU Number</b>	60687 ( ED0F hex )	Displays the event time					
	<b>PNU Name</b>	Last Trip -5 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
277	<b>PNU Number</b>	60690 ( ED12 hex )	Displays the event time					
	<b>PNU Name</b>	Last Trip -6 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
278	<b>PNU Number</b>	60693 ( ED15 hex )	Displays the event time					
	<b>PNU Name</b>	Last Trip -7 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
279	<b>PNU Number</b>	60696 ( ED18 hex )	Displays the event time					
	<b>PNU Name</b>	Last Trip -8 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only
280	<b>PNU Number</b>	60699 ( ED1B hex )	Displays the event time					
	<b>PNU Name</b>	Last Trip -9 ( Time )						
	<b>PNU Format</b>	6 Bytes						
	<b>PNU Note</b>	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)						
Range		-hh:mm:ss	-	-hh:mm:ss	Default	GMT timehh:mm:ss	Type	Read Only

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
281	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>62016 ( F240 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>I/O Status Register</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>0</td> </tr> </table>	<b>PNU Number</b>	62016 ( F240 hex )	<b>PNU Name</b>	I/O Status Register	<b>PNU Format</b>		<b>PNU Note</b>	0	<p>Displays the current status of the hardware inputs and Outputs</p> <p>b0 ( Input DI-1I) b1 (Input D1-2I) b2 (input D2-1I) b3 (undefined)</p> <p>b4 ( Output 12) b5 ( Output 24) b6 (Output 34) b7 (Output 44)</p> <p>Range <input type="text" value="0 ( 0 hex ) 0"/> - <input type="text" value="65535 ( FFFF hex ) 65535"/> Default <input type="text" value="0 ( 0 hex ) 0"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	62016 ( F240 hex )									
<b>PNU Name</b>	I/O Status Register									
<b>PNU Format</b>										
<b>PNU Note</b>	0									
282	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>62080 ( F280 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Reset Defaults</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	62080 ( F280 hex )	<b>PNU Name</b>	Reset Defaults	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Binary value	<p>Restores the Unit to the factory defaults</p> <p>Range <input type="text" value="0 ( 0 hex ) No"/> - <input type="text" value="1 ( 1 hex ) Yes"/> Default <input type="text" value="0 ( 0 hex ) No"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	62080 ( F280 hex )									
<b>PNU Name</b>	Reset Defaults									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Binary value									
283	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>62144 ( F2C0 hex )</td> </tr> <tr> <td><b>PNU Name</b></td> <td>Save Parameters</td> </tr> <tr> <td><b>PNU Format</b></td> <td>16 bit unsigned</td> </tr> <tr> <td><b>PNU Note</b></td> <td>Binary value</td> </tr> </table>	<b>PNU Number</b>	62144 ( F2C0 hex )	<b>PNU Name</b>	Save Parameters	<b>PNU Format</b>	16 bit unsigned	<b>PNU Note</b>	Binary value	<p>Saves all Read /Write parameters to non volatile memory</p> <p>Yes : Parameters are permanently written</p> <p>No : Parameters remain changed until next power cycle</p> <p>Range <input type="text" value="0 ( 0 hex ) No"/> - <input type="text" value="1 ( 1 hex ) Yes"/> Default <input type="text" value="0 ( 0 hex ) No"/> Type <input type="button" value="Read/Write"/></p>
<b>PNU Number</b>	62144 ( F2C0 hex )									
<b>PNU Name</b>	Save Parameters									
<b>PNU Format</b>	16 bit unsigned									
<b>PNU Note</b>	Binary value									
284	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>101 Input Side Phase Loss</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	101 Input Side Phase Loss	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>Phase L1 missing at the instant of start up.</p> <p>The L1 phase is either missing or at a very low level</p> <p>Check all incoming connections. If a main contactor is being controlled by a digital output set to "Running" check contactor delay is sufficient</p> <p>Range <input type="text" value=""/> - <input type="text" value=""/> Default <input type="text" value=""/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	101 Input Side Phase Loss									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
285	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>102 Input Side Phase Loss</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	102 Input Side Phase Loss	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>Phase L2 missing at the instant of start up</p> <p>The L2 phase is either missing or at a very low level</p> <p>Check all incoming connections. If a main contactor is being controlled by a digital output set to "Running" check contactor delay is sufficient</p> <p>Range <input type="text" value=""/> - <input type="text" value=""/> Default <input type="text" value=""/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	102 Input Side Phase Loss									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
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286	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>103 Input Side Phase Loss</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	103 Input Side Phase Loss	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>Phase L3 missing at the instant of start up</p> <p>The L3 phase is either missing or at a very low level</p> <p>Check all incoming connections. If a main contactor is being controlled by a digital output set to "Running" check contactor delay is sufficient</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	103 Input Side Phase Loss									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
287	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>104 - 117 Input Side Phase Loss</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	104 - 117 Input Side Phase Loss	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>Any or all phases missing when the motor is being controlled</p> <p>L1 L2 or L3 phase are missing or at a very low level.</p> <p>Check all incoming connections. Check any fuses / breakers incorporated in the power circuit</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	104 - 117 Input Side Phase Loss									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
288	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>201 Maximum Temp. Exceeded</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	201 Maximum Temp. Exceeded	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>Internal heatsink temperature has exceeded 90°C</p> <p>It is possible the Unit is operating outside specified limits.</p> <p>Check enclosure ventilation and airflow around the Unit. If the unit trips immediately the internal temperature sensor could be faulty.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	201 Maximum Temp. Exceeded									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
289	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>208 Thermal Sensor Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	208 Thermal Sensor Trip	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>Thermal sensor Failure</p> <p>The internal temperature sensor has failed</p> <p>Contact the supplier</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	208 Thermal Sensor Trip									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
290	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>301-308 Thyristor Firing Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	301-308 Thyristor Firing Trip	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>One or more of the internal control thyristors (SCRs) have failed to turn on properly. (In-Line "Firing Mode")</p> <p>The Unit has detected that the SCRs are not operating as expected.</p> <p>Check all incoming and outgoing connections.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	301-308 Thyristor Firing Trip									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
291	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>350-358 Thyristor Firing Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	350-358 Thyristor Firing Trip	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>One or more of the internal control thyristors (SCRs) have failed to turn on properly. (Delta "Firing Mode")</p> <p>The Unit has detected that the SCRs are not operating as expected.</p> <p>Check all incoming and outgoing connections.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	350-358 Thyristor Firing Trip									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
292	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>401 Motor Side Phase Loss</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	401 Motor Side Phase Loss	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>One or all of the phases are missing on the motor side during the instant of start up</p> <p>T1 T2 or T3 phase are missing or at a very low level.</p> <p>Check that the motor is connected to T1 T2 and T3. Ensure any disconnecting device between the Unit and the motor is closed at the instant of start up.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	401 Motor Side Phase Loss									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
293	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>402-403 Motor Side Phase Loss</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	402-403 Motor Side Phase Loss	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>One or all of the phases are missing on the motor side during the instant of start up when the motor being controlled</p> <p>T1 T2 or T3 phase are missing or at a very low level.</p> <p>Check all incoming and outgoing connections.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	402-403 Motor Side Phase Loss									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
294	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>601 Control Voltage Too Low</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	601 Control Voltage Too Low	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>The internal control supply of the Unit level has fallen to a low level</p> <p>Can be caused by a weak 24VDC control supply.</p> <p>Ensure 24VDC supply meets the requirements specified in the Quick Start Guide.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	601 Control Voltage Too Low									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
295	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>701-710 Sensing Fault Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	701-710 Sensing Fault Trip	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>One or more of the internal control thyristors (SCRs) have failed to turn on properly.</p> <p>The Unit has detected that the SCRs are not operating as expected.</p> <p>Check connections all incoming and outgoing connections.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	701-710 Sensing Fault Trip									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
296	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>801-802 Fan Problem</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	801-802 Fan Problem	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>One or more of the internal cooling fans has failed</p> <p>To ensure the heatsink is cooled sufficiently the Unit Will trip if the fans fail to operate</p> <p>Check Unit fans for signs of damage or contamination</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	801-802 Fan Problem									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
297	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>1001 Short Circuit Thyristor</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	1001 Short Circuit Thyristor	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>One or more of the internal control thyristors (SCRs) have failed short circuit</p> <p>The Unit has detected that the SCRs are not operating as expected.</p> <p>ISOLATE SUPPLY. Check by measuring the resistance between L1-T1 L2-T2 L3-T3 ( Anything &lt; 10R is assumed short circuit)</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	1001 Short Circuit Thyristor									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
298	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>1101 Low Current Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	1101 Low Current Trip	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>The motor current has been lower than the low trip level for the low trip time</p> <p>This trip is not active during soft start and soft stop and is "off" by default.</p> <p>If the low current trip is not required turn "off" in "Trip Settings".</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	1101 Low Current Trip									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
299	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>1201 Current Limit Timeout Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	1201 Current Limit Timeout Trip	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>The motor has been held in current limit longer than the "Start current limit Time"</p> <p>It is likely that the current limit level has been set too low for the application.</p> <p>Increase the current limit level or timeout period.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	1201 Current Limit Timeout Trip									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
300	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>1202 Current Limit Timeout Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	1202 Current Limit Timeout Trip	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>The motor has been held in current limit longer than the "Stop current limit Time"</p> <p>It is likely that the current limit level has been set too low for the application.</p> <p>Increase the current limit level or timeout period.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	1202 Current Limit Timeout Trip									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current
301	<b>PNU Number</b>	Trip Code Descriptions
	<b>PNU Name</b>	1301 Overload Trip
	<b>PNU Format</b>	
	<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value
		<p>The "Overload" has exceeded 100%</p> <p>The Unit is attempting to start an application that is outside its capacity or it is starting too often.</p> <p>Refer to the overload trip curves to determine whether the Unit has been sized correctly.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
302	<b>PNU Number</b>	Trip Code Descriptions
	<b>PNU Name</b>	1302 Overload Trip
	<b>PNU Format</b>	
	<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value
		<p>The motor current has exceeded 475% (i-Unit) for a time greater than 250ms</p> <p>The Unit is attempting to start an application that is outside its capacity with a "high current limit level" set</p> <p>Refer to the overload trip curves to determine whether the Unit has been sized correctly and check current limit level.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
303	<b>PNU Number</b>	Trip Code Descriptions
	<b>PNU Name</b>	1401 Shearpin Trip
	<b>PNU Format</b>	
	<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value
		<p>The motor current has been higher than the "Shearpin Trip Level" for the trip time.</p> <p>This trip is not active during soft start and soft stop and is "off" by default.</p> <p>If Shearpin trip is not required turn "off" in "Trip Settings".</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
304	<b>PNU Number</b>	Trip Code Descriptions
	<b>PNU Name</b>	1501 PTC Thermistor Trip
	<b>PNU Format</b>	
	<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value
		<p>The PTC thermistor value has exceed the trip level.</p> <p>The PTC thermistor connected to the PTC input has exceeded it response temperature or the PTC input is open circuit.</p> <p>If the PTC TRIP is not required turn "off" in "Trip Settings".</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
305	<b>PNU Number</b>	Trip Code Descriptions
	<b>PNU Name</b>	1701 Communications Trip
	<b>PNU Format</b>	
	<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value
		<p>Communications failure</p> <p>The command or status PNU has not ben polled in the time set in the "Timeout" period</p> <p>If the communication trip is disabled the Unit cannot be stopped in the communications fail</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description								
		Text in quotes refer to a Synergy parameter or function, for example "Start Time" i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current								
306	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>1801-1802 Bypass Relay Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	1801-1802 Bypass Relay Trip	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>One or more of the internal bypass relays has failed to close</p> <p>The internal bypass relay has failed or the control supply is too weak.</p> <p>Ensure 24VDC supply meets the requirements specified in the Quick Start Guide.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	1801-1802 Bypass Relay Trip									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
307	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>1803 Bypass Relay Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	1803 Bypass Relay Trip	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>One or more of the internal bypass relays has failed to open</p> <p>The internal bypass relay has failed or the control supply is too weak.</p> <p>Ensure 24VDC supply meets the requirements specified in the Quick Start Guide.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	1803 Bypass Relay Trip									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
308	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>1901 Cover Open, Close to Enable Motor Start</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	1901 Cover Open, Close to Enable Motor Start	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>The Unit cover is open</p> <p>The cover is open or not closed properly</p> <p>Close Cover or if Cover trip is not required turn off in "Trip Settings"</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	1901 Cover Open, Close to Enable Motor Start									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
309	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>2001-2003 Remote Start is Enabled</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	2001-2003 Remote Start is Enabled	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>The remote start signal is active.</p> <p>The remote start signal was active during power up or Reset or Parameter Load.</p> <p>Turn off remote or if Remote On trip is not required turn "off" in "Trip Settings"</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	2001-2003 Remote Start is Enabled									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									
310	<table border="1"> <tr> <td><b>PNU Number</b></td> <td>Trip Code Descriptions</td> </tr> <tr> <td><b>PNU Name</b></td> <td>2101 Rotation L1 L2 L3 Trip</td> </tr> <tr> <td><b>PNU Format</b></td> <td></td> </tr> <tr> <td><b>PNU Note</b></td> <td>The Trip Number shown in PNU Name is a decimal value</td> </tr> </table>	<b>PNU Number</b>	Trip Code Descriptions	<b>PNU Name</b>	2101 Rotation L1 L2 L3 Trip	<b>PNU Format</b>		<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	<p>The input phase rotation is RYB (L1-L2-L3)</p> <p>The phase rotation is opposite to that required.</p> <p>Change phase rotation or if "RYB" trip is not required turn "off" in trip settings.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
<b>PNU Number</b>	Trip Code Descriptions									
<b>PNU Name</b>	2101 Rotation L1 L2 L3 Trip									
<b>PNU Format</b>										
<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value									

SWI-SGY-USB-V5952 [ SGY1052900 SGY2095200 SGY3023400 ]		Description	
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311	<b>PNU Number</b>	Trip Code Descriptions	The input phase rotation is RBY (L1-L3-L2)
	<b>PNU Name</b>	2102 Rotation L1 L3 L2 Trip	The phase rotation is opposite to that required.
	<b>PNU Format</b>		Change phase rotation or if "RBY" trip is not required turn "off" in trip settings.
	<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
312	<b>PNU Number</b>	Trip Code Descriptions	Internal Unit Failure
	<b>PNU Name</b>	2201-2299 2701-2799 MPU Trip	The Unit has failed internally and is unable to recover automatically.
	<b>PNU Format</b>		Cycle the control supply. If the fault is not cleared then contact the supplier
	<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
313	<b>PNU Number</b>	Trip Code Descriptions	Current sensor failure
	<b>PNU Name</b>	2301-2303 Current Sensor Trip	One or more of the internal sensors used to measure current has failed or is reading a low value.
	<b>PNU Format</b>		Check the connections to the supply and motor as disconnection will result in a zero current reading. Check the plate FLA of the motor being controlled is at least 25% of the "i-motor" rating
	<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
314	<b>PNU Number</b>	Trip Code Descriptions	Fail Safe operation
	<b>PNU Name</b>	2401-2499 Operation 3 Trip	A process associated with the Control Board has been affected and is unable to recover automatically
	<b>PNU Format</b>		The trip MUST be reset by either the digital input or keypad or the bus command depending on the control method set. This trip is a special case and it is NOT possible to reset this trip by cycling the control supply
	<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
315	<b>PNU Number</b>	Trip Code Descriptions	Fail Safe operation
	<b>PNU Name</b>	2501-2599 Operation 1 Trip	A process associated with the Keypad board has been affected and is unable to recover automatically
	<b>PNU Format</b>		The trip can be reset by either the digital input or keypad or the bus command depending on the control method set. It is also possible to reset this trip by cycling the control supply
	<b>PNU Note</b>	The Trip Number shown in PNU Name is a decimal value	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>



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[ SGY1052900 SGY2095200 SGY3023400 ]

**Description**

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i-synergy = synergy Class 10 current, i-rated = synergy Class20 / Class30 current, i-motor = motor current