



VMX- Synergy Plus Modbus Parameter Tables

Software Version : SWI-SGP-USB-V0101

MAN-VMX-SGY-MOD-V0101

PNU		Description
PNU Number	128 (80 hex)	Set to correspond with Unit connection to the Motor. Refer to connection diagrams in the manual. 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
PNU Name	Firing Mode	
PNU Format	8 bit unsigned	
PNU Note	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"/>
PNU Number	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 manual.
PNU Name	Legacy Delta Mode	
PNU Format	8 bit unsigned	
PNU Note	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"/>
PNU Number	193 (C1 hex)	Allows the overload percentage to displayed as either 0% to 100% (IEC model) or 100% to 0% (ANSI model). On : Overload Capacity shown is 100% (Empty) to 0% (Full) Off : Overload Capacity shown is 0% (Empty) to 100% (Full)
PNU Name	Legacy OL Display	
PNU Format	8 bit unsigned	
PNU Note	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"/>
PNU Number	194 (C2 hex)	Reserved for future development
PNU Name	Legacy 2	
PNU Format	8 bit unsigned	
PNU Note	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"/>
PNU Number	195 (C3 hex)	Reserved for future development
PNU Name	Legacy 3	
PNU Format	8 bit unsigned	
PNU Note	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"/>

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>196 (C4 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Legacy 4</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	196 (C4 hex)	PNU Name	Legacy 4	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>Reserved for future development</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>
PNU Number	196 (C4 hex)								
PNU Name	Legacy 4								
PNU Format	8 bit unsigned								
PNU Note	Binary value								
<table border="1"> <tr> <td>PNU Number</td> <td>320 (140 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Kick Start</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	320 (140 hex)	PNU Name	Kick Start	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>Applies a short duration torque pulse to dislodge 'sticky' loads</p> <p>On : The torque pulse is applied at start-up when complete the torque drops to the "Start Pedestal"</p> <p>Off: The initial starting 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="text" value="Read/Write"/></p>
PNU Number	320 (140 hex)								
PNU Name	Kick Start								
PNU Format	8 bit unsigned								
PNU Note	Binary value								
<table border="1"> <tr> <td>PNU Number</td> <td>384 (180 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Trip Class Run</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	384 (180 hex)	PNU Name	Trip Class Run	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>This feature is only available for ANSI models When selected it allows a different overload class to be selected during the running period.</p> <p>On : The overload will use the "Trip Class " selection when Starting "Trip Class Run Value" selection when Running</p> <p>On : The overload will use the " Trip class " selection for Starting and Running</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>
PNU Number	384 (180 hex)								
PNU Name	Trip Class Run								
PNU Format	8 bit unsigned								
PNU Note	Binary value								
<table border="1"> <tr> <td>PNU Number</td> <td>448 (1C0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Dynamic Reset</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	448 (1C0 hex)	PNU Name	Dynamic Reset	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>Dynamically tracks the thermal capacity needed for a successful restart after an overload trip. It averages the thermal capacity consumed in the previous three successful starts, and calculates a thermal capacity to Start.</p> <p>On : If there is insufficient capacity to start the unit will be "Inhibited" from starting</p> <p>Off : If there is insufficient capacity to start the unit will not be "Inhibited" from starting. If there is insufficient capacity the unit will trip on "overload" before the end of the start</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>
PNU Number	448 (1C0 hex)								
PNU Name	Dynamic Reset								
PNU Format	8 bit unsigned								
PNU Note	Binary value								
<table border="1"> <tr> <td>PNU Number</td> <td>640 (280 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Kick Start Pedestal</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	640 (280 hex)	PNU Name	Kick Start Pedestal	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Percentage of the supply voltage applied to the motor during the 'kick' period</p> <p>Increase to provide more torque If the load fails to break away.</p> <p>Decrease if the motor accelerates too quickly.</p> <p>Range <input type="text" value="3000 (BB8 hex) 30%"/> - <input type="text" value="8000 (1F40 hex) 80%"/> Default <input type="text" value="7500 (1D4C hex) 75%"/> Type <input type="text" value="Read/Write"/></p>
PNU Number	640 (280 hex)								
PNU Name	Kick Start Pedestal								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								

PNU		Description
PNU Number	704 (2C0 hex)	<p>Percentage of the supply voltage applied to motor at the beginning of the soft start.</p> <p>Increase to provide more torque If the load fails to break away.</p> <p>Decrease if the motor accelerates too quickly.</p> <p>Range <input type="text" value="1000 (3E8 hex) 10%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="2000 (7D0 hex) 20%"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Start Pedestal	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 0.01 %)	
PNU Number	768 (300 hex)	<p>Adjusts the response of the "Automatic End Start (3)"</p> <p>Increase to provide a greater smoothing effect If there are torque fluctuations that occur during the soft start.</p> <p>When set to zero the smoothing is effectively disabled.</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="7500 (1D4C hex) 75%"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Rate End Start (3)	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 0.01 %)	
PNU Number	896 (380 hex)	<p>Percentage of the supply voltage applied to the motor at the end of the soft stop</p> <p>Increase if the motor crawls at the end of the soft stop.</p> <p>Decrease if a greater soft-stop effect is required at the end of the ramp.</p> <p>Range <input type="text" value="1000 (3E8 hex) 10%"/> - <input type="text" value="4000 (FA0 hex) 40%"/> Default <input type="text" value="1000 (3E8 hex) 10%"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Stop Pedestal	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 0.01 %)	
PNU Number	7040 (1B80 hex)	<p>Time that the torque pulse is applied to load</p> <p>Increase to provide more torque If the load fails to break away.</p> <p>Decrease if the motor accelerates too quickly.</p> <p>Range <input type="text" value="10 (A hex) 10ms"/> - <input type="text" value="2000 (7D0 hex) 2000ms"/> Default <input type="text" value="100 (64 hex) 100ms"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Kick Start Time	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1 ms)	
PNU Number	7104 (1BC0 hex)	<p>Time taken to soft start from the "Start Pedestal" to the end of the start</p> <p>Normally set between 5 and 30 seconds. Actual time to get to full voltage depends on the "Start Current Limit Level".</p> <p>If set too long the motor can be at speed before the end of the time set. Refer to "Automatic End Start"</p> <p>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"/></p>
PNU Name	Start Time	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1 s)	

PNU		Description
PNU Number	7296 (1C80 hex)	<p>The time taken to soft stop from full voltage or the iERS level to the 'Stop Pedestal'</p> <p>Normally set between 15 and 60 seconds. Actual time to get to 'Stop Pedestal' depends on the "Stop Current Limit Level".</p> <p>If set too long the motor may reach zero speed before the end of the time set. Refer to "Automatic End Stop"</p> <p>Range <input type="text" value="0 (0 hex) 0s"/> - <input type="text" value="300 (12C hex) 300s"/> Default <input type="text" value="0 (0 hex) 0s"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Stop Time	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1 s)	
PNU Number	7360 (1CC0 hex)	<p>The time from the End of the start to the point where the iERS saving mode becomes active.</p> <p>Normally set to 5 seconds to ensure the motor is at full speed before the iERS saving becomes active</p> <p>Increase to allow time for the motor to stabilise.</p> <p>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"/></p>
PNU Name	Dwell Time	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1 s)	
PNU Number	8320 (2080 hex)	<p>Time allowed for external contactors to operate before starting</p> <p>Increase if contactors are driven by buffer relays or motor trips on phase loss when start signal applied</p> <p>Decrease if response to start signal needs to be improved</p> <p>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"/></p>
PNU Name	Contactors Delay	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1 ms)	
PNU Number	8960 (2300 hex)	<p>Defines the physical function of the analogue output (AO)</p> <p>0-10V : The output voltage varies from 0 to 10V</p> <p>4-20mA : The output current varies from 4 to 20mA</p> <p>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"/></p>
PNU Name	Analogue Output Type	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	9024 (2340 hex)	<p>Allows the Analogue output to be mapped to different PNU functions</p> <p>The output will change in proportion with the selected function</p> <p>By default the output will be at a maximum when the selected function equals its maximum value</p> <p>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"/></p>
PNU Name	Select Function	
PNU Format	16 bit unsigned	
PNU Note	514=I _{measured} , 522=Overload, 161=OverloadSCR, 542=P _{total}	

PNU		Description
PNU Number	9088 (2380 hex)	Allows the selected function to be scaled
PNU Name	Scaling Level	The output will change in proportion with the selected function
PNU Format	16 bit unsigned	The output will be at a maximum when the selected function equals the "Scaling Level"
PNU Note	Linear Scaling (1 = 0.01 %)	Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) Max value %"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="button" value="Read/Write"/>
PNU Number	9152 (23C0 hex)	The value of the Analogue output
PNU Name	Analogue Output Value	The internal Digital to analogue converter is 10 bit.
PNU Format	16 bit unsigned	
PNU Note	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"/>
PNU Number	9600 (2580 hex)	Defines the function of the analogue input (AI)
PNU Name	Analogue Input Type	0-10V : The input voltage varies from 0-10V
PNU Format	8 bit unsigned	4-20mA : The input varies from 4 to 20mA
PNU Note	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"/>
PNU Number	9664 (25C0 hex)	Allows the Analogue input to be mapped to different functions
PNU Name	Select Function	The selected function will change in proportion with the input
PNU Format	16 bit unsigned	By default the function will be at its maximum when the input is at its maximum
PNU Note	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"/>
PNU Number	9728 (2600 hex)	Allows the selected function to be scaled
PNU Name	Scaling Level	The selected function will change in proportion with the input
PNU Format	16 bit unsigned	The function will be at its "Scaling Level" when the input is at its maximum
PNU Note	Linear Scaling (1 = 0.01 %)	Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) Max value %"/> Default <input type="text" value="0 (0 hex) Max value %"/> Type <input type="button" value="Read/Write"/>

PNU		Description
PNU Number	9792 (2640 hex)	<p>The value of the analogue Input</p> <p>The internal Analogue to Digital converter is 10 bit.</p> <p>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"/></p>
PNU Name	Analogue Input Value	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1)	
PNU Number	10432 (28C0 hex)	<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 (< 300R @ 25°C. Typically 4K @ nominal temperature)</p> <p>The value indicated is a not in degrees Celsius but is an internal representation.</p> <p>At 25°C the value displayed should be less than 100 and the Unit trips when value > 400 (open circuit = 1024)</p> <p>The value will increase rapidly when the motor thermistors approach their nominal temperature.</p> <p>If thermistors are connected the "Thermistor trip" should be turned "on"</p> <p>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) 1024"/> Type <input type="button" value="Read Only"/></p>
PNU Name	Motor Thermistor	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1)	
PNU Number	10880 (2A80 hex)	<p>The digital inputs D1-1I D1-2I D2-1I D2-2I are designed to work with a range of control supplies</p> <p>230V : 'Active high level' Input voltage must be in the range 195.5V - 253V</p> <p>110V : 'Active high level' Input voltage must be in the range 93.5V - 132V</p> <p>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.</p> <p>Failure to do so may result in damage.</p> <p>Range <input type="text" value="0 (0 hex) 230V"/> - <input type="text" value="2 (2 hex) 24VDC"/> Default <input type="text" value="0 (0 hex) 230V"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Digital Input Voltage	
PNU Format	16 bit unsigned	
PNU Note	0=230V, 1=110V, 2=24V	
PNU Number	10944 (2AC0 hex)	<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 <input type="text" value="0 (0 hex) Off"/> - <input type="text" value="999 (3E7 hex) End of list"/> Default <input type="text" value="280 (118 hex) Start/Stop"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Select Function	
PNU Format	16 bit unsigned	
PNU Note	280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip	
PNU Number	10945 (2AC1 hex)	<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 <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"/></p>
PNU Name	Select Function	
PNU Format	16 bit unsigned	
PNU Note	280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip	

PNU		Description
PNU Number	10946 (2AC2 hex)	<p>Allows the Digital input (D2-11) 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 <input type="text" value="0 (0 hex) Off"/> - <input type="text" value="999 (3E7 hex) End of list"/> Default <input type="text" value="287 (11F hex) Reset"/> Type <input type="text" value="Read/Write"/></p>
PNU Name	Select Function	
PNU Format	16 bit unsigned	
PNU Note	280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip	
PNU Number	10947 (2AC3 hex)	<p>Allows the Digital input (D2-21) 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 <input type="text" value="0 (0 hex) Off"/> - <input type="text" value="999 (3E7 hex) End of list"/> Default <input type="text" value="287 (11F hex) Off"/> Type <input type="text" value="Read/Write"/></p>
PNU Name	Select Function	
PNU Format	16 bit unsigned	
PNU Note	280=Start/Stop, 285=FreezeRamp, 287=Reset, 330=iErs,295=ExternalTrip	
PNU Number	11584 (2D40 hex)	<p>Allows the Digital output (N/C (12)) to be mapped to different functions</p> <p>The digital output will change in accordance with the selected function</p> <p>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"/></p>
PNU Name	Select Function	
PNU Format	16 bit unsigned	
PNU Note	581=Rdy,582=En,583=Error,588=Running, 590=EndOfStart,591=C/L,595=iErsActive	
PNU Number	11585 (2D41 hex)	<p>Allows the Digital output (N/O (24)) to be mapped to different functions</p> <p>The digital output will change in accordance with the selected function</p> <p>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"/></p>
PNU Name	Select Function	
PNU Format	16 bit unsigned	
PNU Note	581=Rdy,582=En,583=Error,588=Running, 590=EndOfStart,591=C/L,595=iErsActive	
PNU Number	11586 (2D42 hex)	<p>Allows the Digital output (N/O (34)) to be mapped to different functions</p> <p>The digital output will change in accordance with the selected function</p> <p>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"/></p>
PNU Name	Select Function	
PNU Format	16 bit unsigned	
PNU Note	581=Rdy,582=En,583=Error,588=Running, 590=EndOfStart,591=C/L,595=iErsActive	

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>11587 (2D43 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Select Function</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>581=Rdy,582=En,583=Error,588=Running,590=EndOfStart,591=C/L,595=iErsActive</td> </tr> </table>	PNU Number	11587 (2D43 hex)	PNU Name	Select Function	PNU Format	16 bit unsigned	PNU Note	581=Rdy,582=En,583=Error,588=Running,590=EndOfStart,591=C/L,595=iErsActive	<p>Allows the Digital output (N/O (44)) to be mapped to different functions</p> <p>The digital output will change in accordance with the selected function</p> <p>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"/></p>
PNU Number	11587 (2D43 hex)								
PNU Name	Select Function								
PNU Format	16 bit unsigned								
PNU Note	581=Rdy,582=En,583=Error,588=Running,590=EndOfStart,591=C/L,595=iErsActive								
<table border="1"> <tr> <td>PNU Number</td> <td>11588 (2D44 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Select Function</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>581=Rdy,582=En,583=Error,588=Running,590=EndOfStart,591=C/L,595=iErsActive</td> </tr> </table>	PNU Number	11588 (2D44 hex)	PNU Name	Select Function	PNU Format	16 bit unsigned	PNU Note	581=Rdy,582=En,583=Error,588=Running,590=EndOfStart,591=C/L,595=iErsActive	<p>Allows the Digital output (N/O (54)) to be mapped to different functions</p> <p>The digital output will change in accordance with the selected function</p> <p>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 Running"/> Type <input type="text" value="Read/Write"/></p>
PNU Number	11588 (2D44 hex)								
PNU Name	Select Function								
PNU Format	16 bit unsigned								
PNU Note	581=Rdy,582=En,583=Error,588=Running,590=EndOfStart,591=C/L,595=iErsActive								
<table border="1"> <tr> <td>PNU Number</td> <td>12800 (3200 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Serial Number</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>ASCII alpha numeric character Byte 7 (MSB)</td> </tr> </table>	PNU Number	12800 (3200 hex)	PNU Name	Serial Number	PNU Format	8 bit unsigned	PNU Note	ASCII alpha numeric character Byte 7 (MSB)	<p>The device serial number stored at the point of manufacture</p> <p>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"/></p>
PNU Number	12800 (3200 hex)								
PNU Name	Serial Number								
PNU Format	8 bit unsigned								
PNU Note	ASCII alpha numeric character Byte 7 (MSB)								
<table border="1"> <tr> <td>PNU Number</td> <td>12801 (3201 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Serial Number</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>ASCII alpha numeric character Byte 6</td> </tr> </table>	PNU Number	12801 (3201 hex)	PNU Name	Serial Number	PNU Format	8 bit unsigned	PNU Note	ASCII alpha numeric character Byte 6	<p>The device serial number stored at the point of manufacture</p> <p>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"/></p>
PNU Number	12801 (3201 hex)								
PNU Name	Serial Number								
PNU Format	8 bit unsigned								
PNU Note	ASCII alpha numeric character Byte 6								
<table border="1"> <tr> <td>PNU Number</td> <td>12802 (3202 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Serial Number</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>ASCII alpha numeric character Byte 5</td> </tr> </table>	PNU Number	12802 (3202 hex)	PNU Name	Serial Number	PNU Format	8 bit unsigned	PNU Note	ASCII alpha numeric character Byte 5	<p>The device serial number stored at the point of manufacture</p> <p>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"/></p>
PNU Number	12802 (3202 hex)								
PNU Name	Serial Number								
PNU Format	8 bit unsigned								
PNU Note	ASCII alpha numeric character Byte 5								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>12803 (3203 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Serial Number</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>ASCII alpha numeric character Byte 4</td> </tr> </table>	PNU Number	12803 (3203 hex)	PNU Name	Serial Number	PNU Format	8 bit unsigned	PNU Note	ASCII alpha numeric character Byte 4	<p>The device serial number stored at the point of manufacture</p> <p>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"/></p>
PNU Number	12803 (3203 hex)								
PNU Name	Serial Number								
PNU Format	8 bit unsigned								
PNU Note	ASCII alpha numeric character Byte 4								
<table border="1"> <tr> <td>PNU Number</td> <td>12804 (3204 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Serial Number</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>ASCII alpha numeric character Byte 3</td> </tr> </table>	PNU Number	12804 (3204 hex)	PNU Name	Serial Number	PNU Format	8 bit unsigned	PNU Note	ASCII alpha numeric character Byte 3	<p>The device serial number stored at the point of manufacture</p> <p>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"/></p>
PNU Number	12804 (3204 hex)								
PNU Name	Serial Number								
PNU Format	8 bit unsigned								
PNU Note	ASCII alpha numeric character Byte 3								
<table border="1"> <tr> <td>PNU Number</td> <td>12805 (3205 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Serial Number</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>ASCII alpha numeric character Byte 2</td> </tr> </table>	PNU Number	12805 (3205 hex)	PNU Name	Serial Number	PNU Format	8 bit unsigned	PNU Note	ASCII alpha numeric character Byte 2	<p>The device serial number stored at the point of manufacture</p> <p>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"/></p>
PNU Number	12805 (3205 hex)								
PNU Name	Serial Number								
PNU Format	8 bit unsigned								
PNU Note	ASCII alpha numeric character Byte 2								
<table border="1"> <tr> <td>PNU Number</td> <td>12806 (3206 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Serial Number</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>ASCII alpha numeric character Byte 1</td> </tr> </table>	PNU Number	12806 (3206 hex)	PNU Name	Serial Number	PNU Format	8 bit unsigned	PNU Note	ASCII alpha numeric character Byte 1	<p>The device serial number stored at the point of manufacture</p> <p>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"/></p>
PNU Number	12806 (3206 hex)								
PNU Name	Serial Number								
PNU Format	8 bit unsigned								
PNU Note	ASCII alpha numeric character Byte 1								
<table border="1"> <tr> <td>PNU Number</td> <td>12807 (3207 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Serial Number</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>ASCII alpha numeric character Byte 0</td> </tr> </table>	PNU Number	12807 (3207 hex)	PNU Name	Serial Number	PNU Format	8 bit unsigned	PNU Note	ASCII alpha numeric character Byte 0	<p>The device serial number stored at the point of manufacture</p> <p>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"/></p>
PNU Number	12807 (3207 hex)								
PNU Name	Serial Number								
PNU Format	8 bit unsigned								
PNU Note	ASCII alpha numeric character Byte 0								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>12928 (3280 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Model Number</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1)</td> </tr> </table>	PNU Number	12928 (3280 hex)	PNU Name	Model Number	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1)	<p>The Raw Model number stored at the point of manufacture</p> <p>Range <input type="text" value="0 (0 hex) 0"/> - <input type="text" value="65535 (FFFF hex) Max Value"/> Default <input type="text" value="Not Applicable"/> Type <input type="text" value="Read Only"/></p>
PNU Number	12928 (3280 hex)								
PNU Name	Model Number								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 1)								
<table border="1"> <tr> <td>PNU Number</td> <td>13120 (3340 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Service Code</td> </tr> <tr> <td>PNU Format</td> <td></td> </tr> <tr> <td>PNU Note</td> <td></td> </tr> </table>	PNU Number	13120 (3340 hex)	PNU Name	Service Code	PNU Format		PNU Note		<p>Diagnostic parameter</p> <p>For Internal use only</p> <p>Range <input type="text" value=""/> - <input type="text" value=""/> Default <input type="text" value=""/> Type <input type="text" value=""/></p>
PNU Number	13120 (3340 hex)								
PNU Name	Service Code								
PNU Format									
PNU Note									
<table border="1"> <tr> <td>PNU Number</td> <td>13184 (3380 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Software Version (PCB2)</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1)</td> </tr> </table>	PNU Number	13184 (3380 hex)	PNU Name	Software Version (PCB2)	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1)	<p>Software Version for the Main control PCB.</p> <p>Software version recorded in log file</p> <p>Range <input type="text" value="0 (0 hex) 0"/> - <input type="text" value="4294967295 (FFFFFFFF hex) Max Value"/> Default <input type="text" value="Not Applicable"/> Type <input type="text" value="Read Only"/></p>
PNU Number	13184 (3380 hex)								
PNU Name	Software Version (PCB2)								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1)								
<table border="1"> <tr> <td>PNU Number</td> <td>14080 (3700 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Traffic LEDS</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	14080 (3700 hex)	PNU Name	Traffic LEDS	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>Allows the user to check the state of the Modbus communication network. Red LED receive. Green LED Transmit.</p> <p>On : The Red and Green LEDS display the traffic on the Modbus communications network</p> <p>Off : The Red and Green LEDs display the Unit status information</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>
PNU Number	14080 (3700 hex)								
PNU Name	Traffic LEDS								
PNU Format	8 bit unsigned								
PNU Note	Binary value								
<table border="1"> <tr> <td>PNU Number</td> <td>14144 (3740 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Main Contactor Control</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	14144 (3740 hex)	PNU Name	Main Contactor Control	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>The unit is configured to start and stop when the main contactor opens and closes An auxiliary contact from the main contactor is used as a Start / Stop signal. The ' Stop Time' must be set to zero</p> <p>On: When a zero stop time is set some faults will be ignored when main contactor opens.</p> <p>Off : When the contactor opens and the stop signal is given at the same time the unit may trip on "Phase Loss"</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>
PNU Number	14144 (3740 hex)								
PNU Name	Main Contactor Control								
PNU Format	8 bit unsigned								
PNU Note	Binary value								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>14720 (3980 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Time</td> </tr> <tr> <td>PNU Format</td> <td>6 Bytes</td> </tr> <tr> <td>PNU Note</td> <td>Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</td> </tr> </table>	PNU Number	14720 (3980 hex)	PNU Name	Time	PNU Format	6 Bytes	PNU Note	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)	<p>Allows the time to be changed to 'local' time</p> <p>By default the time is set to GMT</p> <p>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="text" value="Read/Write"/></p>
PNU Number	14720 (3980 hex)								
PNU Name	Time								
PNU Format	6 Bytes								
PNU Note	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)								
<table border="1"> <tr> <td>PNU Number</td> <td>15808 (3DC0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Timeout ms</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1 ms)</td> </tr> </table>	PNU Number	15808 (3DC0 hex)	PNU Name	Timeout ms	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1 ms)	<p>Communications trip Timeout period</p> <p>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</p> <p>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="text" value="Read/Write"/></p>
PNU Number	15808 (3DC0 hex)								
PNU Name	Timeout ms								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 1 ms)								
<table border="1"> <tr> <td>PNU Number</td> <td>15809 (3DC1 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Timeout ms</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1 ms)</td> </tr> </table>	PNU Number	15809 (3DC1 hex)	PNU Name	Timeout ms	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1 ms)	<p>Keypad Communications trip Timeout period</p> <p>When enabled the unit will trip if there is a loss of communication greater than the "Timeout ms" period</p> <p>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="text" value="Read/Write"/></p>
PNU Number	15809 (3DC1 hex)								
PNU Name	Timeout ms								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 1 ms)								
<table border="1"> <tr> <td>PNU Number</td> <td>16000 (3E80 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Address</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1)</td> </tr> </table>	PNU Number	16000 (3E80 hex)	PNU Name	Address	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1)	<p>Sets the Modbus station number</p> <p>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="text" value="Read/Write"/></p>
PNU Number	16000 (3E80 hex)								
PNU Name	Address								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 1)								
<table border="1"> <tr> <td>PNU Number</td> <td>16064 (3EC0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Baud Rate</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>0=9600, 1=19200, 2=38400, 3=57600, 4=115200</td> </tr> </table>	PNU Number	16064 (3EC0 hex)	PNU Name	Baud Rate	PNU Format	16 bit unsigned	PNU Note	0=9600, 1=19200, 2=38400, 3=57600, 4=115200	<p>Sets the serial communications baud rate</p> <p>The available baud rates are 9600 19200 38400 57600 or 115200</p> <p>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="text" value="Read/Write"/></p>
PNU Number	16064 (3EC0 hex)								
PNU Name	Baud Rate								
PNU Format	16 bit unsigned								
PNU Note	0=9600, 1=19200, 2=38400, 3=57600, 4=115200								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>16128 (3F00 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Parity</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>0=None, 1=Even, 2=Odd</td> </tr> </table>	PNU Number	16128 (3F00 hex)	PNU Name	Parity	PNU Format	16 bit unsigned	PNU Note	0=None, 1=Even, 2=Odd	<p>Sets the serial communications parity bit</p> <p>The available parity options are None Even Odd</p> <p>Also sets the stop bits. No parity uses 2 stop bits. Odd or even parity uses 1 stop bit</p> <p>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"/></p>
PNU Number	16128 (3F00 hex)								
PNU Name	Parity								
PNU Format	16 bit unsigned								
PNU Note	0=None, 1=Even, 2=Odd								
<table border="1"> <tr> <td>PNU Number</td> <td>17600 (44C0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Modbus Alias Address Register 0</td> </tr> <tr> <td>PNU Format</td> <td></td> </tr> <tr> <td>PNU Note</td> <td></td> </tr> </table>	PNU Number	17600 (44C0 hex)	PNU Name	Modbus Alias Address Register 0	PNU Format		PNU Note		<p>Used to arrange Modbus Parameters into groups</p> <p>Holds the address of a Modbus Parameter</p> <p>Refer to User Manual for more details</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="text" value="Read/Write"/></p>
PNU Number	17600 (44C0 hex)								
PNU Name	Modbus Alias Address Register 0								
PNU Format									
PNU Note									
<table border="1"> <tr> <td>PNU Number</td> <td>17601 (44C1 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Modbus Alias Address Register 1</td> </tr> <tr> <td>PNU Format</td> <td></td> </tr> <tr> <td>PNU Note</td> <td></td> </tr> </table>	PNU Number	17601 (44C1 hex)	PNU Name	Modbus Alias Address Register 1	PNU Format		PNU Note		<p>Used to arrange Modbus Parameters into groups</p> <p>Holds the address of a Modbus Parameter</p> <p>Refer to User Manual for more details</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="text" value="Read/Write"/></p>
PNU Number	17601 (44C1 hex)								
PNU Name	Modbus Alias Address Register 1								
PNU Format									
PNU Note									
<table border="1"> <tr> <td>PNU Number</td> <td>17602 (44C2 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Modbus Alias Address Register 2</td> </tr> <tr> <td>PNU Format</td> <td></td> </tr> <tr> <td>PNU Note</td> <td></td> </tr> </table>	PNU Number	17602 (44C2 hex)	PNU Name	Modbus Alias Address Register 2	PNU Format		PNU Note		<p>Used to arrange Modbus Parameters into groups</p> <p>Holds the address of a Modbus Parameter</p> <p>Refer to User Manual for more details</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="text" value="Read/Write"/></p>
PNU Number	17602 (44C2 hex)								
PNU Name	Modbus Alias Address Register 2								
PNU Format									
PNU Note									
<table border="1"> <tr> <td>PNU Number</td> <td>17603 (44C3 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Modbus Alias Address Register 3</td> </tr> <tr> <td>PNU Format</td> <td></td> </tr> <tr> <td>PNU Note</td> <td></td> </tr> </table>	PNU Number	17603 (44C3 hex)	PNU Name	Modbus Alias Address Register 3	PNU Format		PNU Note		<p>Used to arrange Modbus Parameters into groups</p> <p>Holds the address of a Modbus Parameter</p> <p>Refer to User Manual for more details</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="text" value="Read/Write"/></p>
PNU Number	17603 (44C3 hex)								
PNU Name	Modbus Alias Address Register 3								
PNU Format									
PNU Note									

PNU		Description
PNU Number	17604 (44C4 hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 4	
PNU Format		
PNU Note		
PNU Number	17605 (44C5 hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 5	
PNU Format		
PNU Note		
PNU Number	17606 (44C6 hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 6	
PNU Format		
PNU Note		
PNU Number	17607 (44C7 hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 7	
PNU Format		
PNU Note		
PNU Number	17608 (44C8 hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 8	
PNU Format		
PNU Note		

PNU		Description
PNU Number	17609 (44C9 hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 9	
PNU Format		
PNU Note		
PNU Number	17610 (44CA hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 10	
PNU Format		
PNU Note		
PNU Number	17611 (44CB hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 11	
PNU Format		
PNU Note		
PNU Number	17612 (44CC hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 12	
PNU Format		
PNU Note		
PNU Number	17613 (44CD hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 13	
PNU Format		
PNU Note		

PNU		Description
PNU Number	17614 (44CE hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 14	
PNU Format		
PNU Note		
PNU Number	17615 (44CF hex)	Used to arrange Modbus Parameters into groups Holds the address of a Modbus Parameter Refer to User Manual 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"/>
PNU Name	Modbus Alias Address Register 15	
PNU Format		
PNU Note		
PNU Number	17664 (4500 hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17600 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 0	
PNU Format		
PNU Note		
PNU Number	17666 (4502 hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17601 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 1	
PNU Format		
PNU Note		
PNU Number	17668 (4504 hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17602 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 2	
PNU Format		
PNU Note		

PNU		Description
PNU Number	17670 (4506 hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17603 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 3	
PNU Format		
PNU Note		
PNU Number	17672 (4508 hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17604 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 4	
PNU Format		
PNU Note		
PNU Number	17674 (450A hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17605 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 5	
PNU Format		
PNU Note		
PNU Number	17676 (450C hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17606 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 6	
PNU Format		
PNU Note		
PNU Number	17678 (450E hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17607 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 7	
PNU Format		
PNU Note		

PNU		Description
PNU Number	17680 (4510 hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17608 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 8	
PNU Format		
PNU Note		
PNU Number	17682 (4512 hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17609 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 9	
PNU Format		
PNU Note		
PNU Number	17684 (4514 hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17610 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 10	
PNU Format		
PNU Note		
PNU Number	17686 (4516 hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17611 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 11	
PNU Format		
PNU Note		
PNU Number	17688 (4518 hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17612 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 12	
PNU Format		
PNU Note		

PNU		Description
PNU Number	17690 (451A hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17613 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 13	
PNU Format		
PNU Note		
PNU Number	17692 (451C hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17614 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 14	
PNU Format		
PNU Note		
PNU Number	17694 (451E hex)	Used to arrange Modbus Parameters into groups Holds the data for alias PNU 17615 Refer to User Manual for more details 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/Write"/>
PNU Name	Modbus Alias Data Register 15	
PNU Format		
PNU Note		
PNU Number	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"/>
PNU Name	Start/Stop	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	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"/>
PNU Name	Freeze Ramp	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	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="button" value="Read/Write"/>
PNU Name	Reset	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	18880 (49C0 hex)	CONTROL COMMAND : External Trip On : If "External Trip" is enabled the Unit trips Off : The Unit will not trip Ensure start signal is low before reset. 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="button" value="Read/Write"/>
PNU Name	External Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	19200 (4B00 hex)	The Unit has numerous pre-set applications built in as standard. Select the application best suited to the motor load. The selected application will automatically change several parameters and functions. Depending on the application loaded the "Trip Class" may also change. Refer to the Full User Manual for more details. 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"/>
PNU Name	Application:	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1)	
PNU Number	19840 (4D80 hex)	Automatically controls the starting torque On : The initial torque is increased until the motor starts to rotate at a moderate speed. Off: The initial torque is defined by the "Start Pedestal" 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"/>
PNU Name	Automatic Pedestal	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	19904 (4DC0 hex)	Automatically controls the time taken for the motor to start On : The ramp time is shortened if the motor current falls below the current limit level before the end of the "Start Time". Off: The ramp time depends on the "Start Time" and "Current Limit" 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"/>
PNU Name	Automatic End Start (2)	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	19968 (4E00 hex)	Automatically controls the time taken for the motor to start On : The ramp time is shortened if the motor is at speed before the end of the "Start Time" Off: The ramp time depends on the "Start Time" and "Current Limit" 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"/>
PNU Name	Automatic End Start (1)	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20032 (4E40 hex)	Automatically controls the time taken for the motor to start On : The ramp time is shortened if torque fluctuations occur before the end of the "Start Time" Off: The ramp time depends on the "Start Time" and "Current Limit" 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"/>
PNU Name	Automatic End Start (3)	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20160 (4EC0 hex)	Automatically controls the soft stop to suit the application. This feature is particularly useful with pumping applications On : If the motor is lightly loaded it decelerates rapidly to the point where the soft stop becomes useful. Off : The deceleration to the point where the soft stop becomes useful will be slower. 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"/>
PNU Name	Automatic Stop	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20224 (4F00 hex)	Automatically controls the soft stop to eliminate oscillations that can occur towards the end of the ramp On : The soft stop is adjusted when oscillations are detected. Refer to "Auto smoothing Level" Off : The soft stop is unadjusted and torque fluctuations may cause instability. This can often occur in pumping applications 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"/>
PNU Name	Auto Smooth Stop	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20352 (4F80 hex)	Automatically controls the torque applied to the motor during the soft start. On : The torque is adjusted to suit the load. Off: The ramp time depends on the "Start Time" and "Current Limit" 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"/>
PNU Name	Automatic Ramp	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	20416 (4FC0 hex)	Automatically controls the "Stop Time" On : The ramp time is shortened if the motor reaches a very low speed before the end of the "Stop Time" Off: The ramp time " depends on the "Stop Time" and "Current Limit" 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"/>
PNU Name	Automatic End Stop	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20480 (5000 hex)	Automatically controls the maximum iERS saving level. On : The maximum iERS saving level ("BackStop") is reset to maximum during each load cycle. Off : The saving potential may be reduced on applications with heavy load cycles. Such as injection moulding machines. 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"/>
PNU Name	Automatic Impact Load	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20608 (5080 hex)	Adjusts the response of the "Automatic Stop" Increase if the motor speed doesn't drop quickly enough. When the value is set to zero the "Automatic Stop" is effectively disabled Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="5000 (1388 hex) 50%"/> Type <input type="text" value="Read/Write"/>
PNU Name	Automatic Stop Profile	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 0.01 %)	
PNU Number	20672 (50C0 hex)	Adjusts the response of the "Automatic smoothing" Increase to provide a greater smoothing effect If there are torque fluctuations that occur during the soft stop. When set to zero the smoothing is effectively disabled. Range <input type="text" value="1000 (3E8 hex) 10%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="5000 (1388 hex) 50%"/> Type <input type="text" value="Read/Write"/>
PNU Name	Auto Smoothing Level	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 0.01 %)	
PNU Number	20736 (5100 hex)	Enables the Auto Reset Feature On : The Auto Reset feature is Enabled Off : The Auto Reset feature is disabled and all counters will be re-initialised 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"/>
PNU Name	Auto Reset	
PNU Format	16 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	20737 (5101 hex)	<p>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</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>When the delay is active the Restart Pending parameter is set and the time remaining 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="0 (0 hex) 0s"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Reset Delay	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1 s)	
PNU Number	20738 (5102 hex)	<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</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 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>
PNU Name	Reset Attempts	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1)	
PNU Number	20739 (5103 hex)	<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>
PNU Name	Trip Free Time	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1 s)	
PNU Number	20801 (5141 hex)	<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>
PNU Name	Input Side Phase Loss	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20802 (5142 hex)	<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>
PNU Name	Thermal	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	20803 (5143 hex)	<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="text" value="Read/Write"/></p>
PNU Name	Thyristor Firing	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20804 (5144 hex)	<p>Allows the user to select whether the unit will auto reset if a Motor 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="text" value="Read/Write"/></p>
PNU Name	Motor Side Phase Loss	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20806 (5146 hex)	<p>Allows the user to select whether the unit will auto reset if a Control Voltage Low 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>
PNU Name	Control Voltage Low	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20807 (5147 hex)	<p>Allows the user to select whether the unit will auto reset if a Sensing Fault 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>
PNU Name	Sensing Fault	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20808 (5148 hex)	<p>Allows the user to select whether the unit will auto reset if a Fan 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>
PNU Name	Fan	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	20811 (514B hex)	<p>Allows the user to select whether the unit will auto reset if a Low Current 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>
PNU Name	Low Current	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20812 (514C hex)	<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="text" value="Read/Write"/></p>
PNU Name	Current Limit Time Out	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20813 (514D hex)	<p>Allows the user to select whether the unit will auto reset if a 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="text" value="Read/Write"/></p>
PNU Name	Overload	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20814 (514E hex)	<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="text" value="Read/Write"/></p>
PNU Name	Shearpin	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20815 (514F hex)	<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="text" value="Read/Write"/></p>
PNU Name	PTC Thermistor	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>20816 (5150 hex)</td> </tr> <tr> <td>PNU Name</td> <td>External</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	20816 (5150 hex)	PNU Name	External	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>Allows the user to select whether the unit will auto reset if a 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="text" value="Read/Write"/></p>
PNU Number	20816 (5150 hex)								
PNU Name	External								
PNU Format	8 bit unsigned								
PNU Note	Binary value								
<table border="1"> <tr> <td>PNU Number</td> <td>20817 (5151 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Communications</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	20817 (5151 hex)	PNU Name	Communications	PNU Format	8 bit unsigned	PNU Note	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>
PNU Number	20817 (5151 hex)								
PNU Name	Communications								
PNU Format	8 bit unsigned								
PNU Note	Binary value								
<table border="1"> <tr> <td>PNU Number</td> <td>20818 (5152 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Bypass</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	20818 (5152 hex)	PNU Name	Bypass	PNU Format	8 bit unsigned	PNU Note	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>
PNU Number	20818 (5152 hex)								
PNU Name	Bypass								
PNU Format	8 bit unsigned								
PNU Note	Binary value								
<table border="1"> <tr> <td>PNU Number</td> <td>20821 (5155 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Phase Rotation</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	20821 (5155 hex)	PNU Name	Phase Rotation	PNU Format	8 bit unsigned	PNU Note	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="1 (1 hex) On"/> Type <input type="text" value="Read/Write"/></p>
PNU Number	20821 (5155 hex)								
PNU Name	Phase Rotation								
PNU Format	8 bit unsigned								
PNU Note	Binary value								
<table border="1"> <tr> <td>PNU Number</td> <td>20822 (5156 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Operation 4</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	20822 (5156 hex)	PNU Name	Operation 4	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>Allows the user to select whether the unit will auto reset if a 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>
PNU Number	20822 (5156 hex)								
PNU Name	Operation 4								
PNU Format	8 bit unsigned								
PNU Note	Binary value								

PNU		Description
PNU Number	20823 (5157 hex)	<p>Allows the user to select whether the unit will auto reset if a Current Sensor 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>
PNU Name	Current Sensor	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20824 (5158 hex)	<p>Allows the user to select whether the unit will auto reset if a Operation 2 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>
PNU Name	Operation 2	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20826 (515A hex)	<p>Allows the user to select whether the unit will auto reset if a Operation 1 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>
PNU Name	Operation 1	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20827 (515B hex)	<p>Allows the user to select whether the unit will auto reset if a Operation 5 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>
PNU Name	Operation 5	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	20827 (515B hex)	<p>Allows the user to select whether the unit will auto reset if a Operation 5 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>
PNU Name	Operation 5	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>20864 (5180 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Reset Delay</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1 s)</td> </tr> </table>	PNU Number	20864 (5180 hex)	PNU Name	Reset Delay	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1 s)	<p>This is the amount of time remaining in the Reset Delay counter</p> <p>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="text" value="Read Only"/></p>
PNU Number	20864 (5180 hex)								
PNU Name	Reset Delay								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 1 s)								
<table border="1"> <tr> <td>PNU Number</td> <td>20865 (5181 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Reset Attempts</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1)</td> </tr> </table>	PNU Number	20865 (5181 hex)	PNU Name	Reset Attempts	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1)	<p>This is the number of Reset Attempts remaining.</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="text" value="Read Only"/></p>
PNU Number	20865 (5181 hex)								
PNU Name	Reset Attempts								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 1)								
<table border="1"> <tr> <td>PNU Number</td> <td>20866 (5182 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Trip Free Time</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1 s)</td> </tr> </table>	PNU Number	20866 (5182 hex)	PNU Name	Trip Free Time	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1 s)	<p>This is the amount of time remaining in the Trip Free Time counter</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="text" value="Read Only"/></p>
PNU Number	20866 (5182 hex)								
PNU Name	Trip Free Time								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 1 s)								
<table border="1"> <tr> <td>PNU Number</td> <td>20867 (5183 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Trip Event</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1)</td> </tr> </table>	PNU Number	20867 (5183 hex)	PNU Name	Trip Event	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1)	<p>This is the trip that occurred just prior to the auto reset</p> <p>Range <input type="text" value="100 (64 hex) 100"/> - <input type="text" value="2700 (A8C hex) 2700"/> Default <input type="text" value="0 (0 hex) 0"/> Type <input type="text" value="Read Only"/></p>
PNU Number	20867 (5183 hex)								
PNU Name	Trip Event								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 1)								
<table border="1"> <tr> <td>PNU Number</td> <td>21120 (5280 hex)</td> </tr> <tr> <td>PNU Name</td> <td>iERS</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	21120 (5280 hex)	PNU Name	iERS	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>Enables and disables the intelligent Energy Recovery System feature (iERS).</p> <p>On : The voltage to the motor will be regulated to ensure optimum efficiency.</p> <p>Off : The feature is disabled and the motor operates at full voltage</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>
PNU Number	21120 (5280 hex)								
PNU Name	iERS								
PNU Format	8 bit unsigned								
PNU Note	Binary value								

PNU		Description
PNU Number	21184 (52C0 hex)	<p>Determines the rate at which the load is regulated during the iERS energy saving mode</p> <p>During periods of instability the "Current Irms" and "True Power Factor" will oscillate rapidly. Increase if the applications shows signs of instability.</p> <p>Reduce to increase the speed of response</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="2500 (9C4 hex) 25%"/> Type <input type="text" value="Read/Write"/></p>
PNU Name	iERS Rate	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 0.01 %)	
PNU Number	21320 (5348 hex)	<p>The current in Amps at which the iERS is enabled or disabled.</p> <p>The iERS function is active when the motor current is less than the "Start Saving Level"</p> <p>When the iERS function is disabled internal bypass relays close to improve efficiency.</p> <p>Range <input type="text" value="5000 (1388 hex) 50% I-motorA"/> - <input type="text" value="8000 (1F40 hex) 80% I-motorA"/> Default <input type="text" value="8000 (1F40 hex) 80% I-motorA"/> Type <input type="text" value="Read Only"/></p>
PNU Name	Start Saving Level	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 0.01 %)	
PNU Number	21376 (5380 hex)	<p>Determines the maximum energy saving potential.</p> <p>Reduce if the application shows signs of instability.</p> <p>The amount of energy that can be saved may fall as the "iERS level" is reduced.</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="10000 (2710 hex) 100%"/> Type <input type="text" value="Read/Write"/></p>
PNU Name	iERS Level	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 0.01 %)	
PNU Number	21760 (5500 hex)	<p>The Reference Power Factor used by the iERS saving function</p> <p>This is the target Power Factor for the iERS saving function. The parameter will change dynamically dependant on motor operation</p> <p>The parameter displays the displacement part of the True Power Factor and is used for diagnostic purposes.</p> <p>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"/></p>
PNU Name	Ref PF Degrees	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)	
PNU Number	21824 (5540 hex)	<p>The Present Power Factor used by the iERS saving function</p> <p>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"</p> <p>The parameter displays the displacement part of the True Power Factor and is used for diagnostic purposes.</p> <p>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"/></p>
PNU Name	Pres PF Degrees	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)	

PNU		Description					
PNU Number	22400 (5780 hex)	Internal firing delay angle in Degrees					
PNU Name	Delay Angle	Displayed for diagnostic purposes					
PNU Format	16 bit unsigned						
PNU Note	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)	Range	0 (0 hex) 0Degrees - 60 (3C hex) 60Degrees	Default	0 (0 hex) 0Degrees	Type	Read Only
PNU Number	22464 (57C0 hex)	The maximum possible delay for iERS saving					
PNU Name	Delay Max	Displayed for diagnostic purposes					
PNU Format	16 bit unsigned						
PNU Note	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)	Range	0 (0 hex) 0Degrees - 55 (37 hex) 55Degrees	Default	0 (0 hex) 0Degrees	Type	Read Only
PNU Number	23040 (5A00 hex)	The maximum possible Delay angle for the current iERS saving phase					
PNU Name	BackStop	Displayed for diagnostic purposes					
PNU Format	16 bit unsigned	May decrease during heavy load periods or instability					
PNU Note	Linear Scaling (1 = 1° of mains cycle) Time(ms)=(Value/PNU32000)*(25/9)	Range	0 (0 hex) 0Degrees - 55 (37 hex) 55Degrees	Default	0 (0 hex) 0Degrees	Type	Read Only
PNU Number	25600 (6400 hex)	Unit Class 10 / Class20 / Class30 Current Rating					
PNU Name	I-rated						
PNU Format	32 bit unsigned						
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Range	17000 (4268 hex) 17A - 2000000 (1E8480 hex) 2000A	Default	17000 (4268 hex) 17A	Type	Read Only
PNU Number	25664 (6440 hex)	The "Trip Class" is a numeric value that correlates the trip time with overload level. Select "Trip class" according to application requirements.					
PNU Name	Trip Class	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 manual.					
PNU Format	16 bit unsigned	When "Class 20" or "Class 30" are selected the Unit current rating (i-Unit) may be reduced to a lower value (i-rated).					
PNU Note	10= Trip Class 10, 20 = Trip Class 20, 30 = Trip Class 30	Range	10 (A hex) Trip Class 10 - 30 (1E hex) Trip Class 30	Default	10 (A hex) Trip Class 10	Type	Read/Write

PNU		Description								
<table border="1"> <tr> <td>PNU Number</td> <td>25668 (6444 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Trip Class Run Value</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>10= Trip Class 10, 20 = Trip Class 20, 30 = Trip Class 30</td> </tr> </table>	PNU Number	25668 (6444 hex)	PNU Name	Trip Class Run Value	PNU Format	16 bit unsigned	PNU Note	10= Trip Class 10, 20 = Trip Class 20, 30 = Trip Class 30	<p>This feature is only available for ANSI models When selected it allows a different overload class to be selected during the running period.</p> <p>The trip time depends on the selected Run Trip Class value , the duration of the overload and the level of the over current. Refer to the Motor Overload 'cold' trip curves given in the manual.</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>
PNU Number	25668 (6444 hex)									
PNU Name	Trip Class Run Value									
PNU Format	16 bit unsigned									
PNU Note	10= Trip Class 10, 20 = Trip Class 20, 30 = Trip Class 30									
<table border="1"> <tr> <td>PNU Number</td> <td>25728 (6480 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Motor Current</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	25728 (6480 hex)	PNU Name	Motor Current	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>This should be set to the Full Load Current shown on the motor plate.</p> <p>The overload works with multiples of the set "Motor Current" (i-motor). Also referred to as Motor FLA (I-motor).</p>	<p>Range <input type="text" value="(0.1 x PNU25792) 10% I-unitA"/> - <input type="text" value="(1 x PNU25600) 100% I-ratedA"/> Default <input type="text" value="(1 x PNU25600) 100% I-ratedA"/> Type <input type="text" value="Read/Write"/></p>
PNU Number	25728 (6480 hex)									
PNU Name	Motor Current									
PNU Format	32 bit unsigned									
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)									
<table border="1"> <tr> <td>PNU Number</td> <td>25792 (64C0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>I-unit</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	25792 (64C0 hex)	PNU Name	I-unit	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Unit Class10 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>
PNU Number	25792 (64C0 hex)									
PNU Name	I-unit									
PNU Format	32 bit unsigned									
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)									
<table border="1"> <tr> <td>PNU Number</td> <td>26304 (66C0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Low Current Trip Level</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	26304 (66C0 hex)	PNU Name	Low Current Trip Level	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>The current in Amps that will cause a trip</p> <p>A trip will occur if the motor current is less than the "Trip Level" for the "Trip Time"</p>	<p>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="text" value="Read/Write"/></p>
PNU Number	26304 (66C0 hex)									
PNU Name	Low Current Trip Level									
PNU Format	32 bit unsigned									
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)									
<table border="1"> <tr> <td>PNU Number</td> <td>26368 (6700 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Low Current Trip Time</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1 ms)</td> </tr> </table>	PNU Number	26368 (6700 hex)	PNU Name	Low Current Trip Time	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1 ms)	<p>The trip time for the Low current trip</p> <p>A trip will occur if the motor current is less than the "Trip Level" for the "Trip Time"</p>	<p>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="text" value="Read/Write"/></p>
PNU Number	26368 (6700 hex)									
PNU Name	Low Current Trip Time									
PNU Format	16 bit unsigned									
PNU Note	Linear Scaling (1 = 1 ms)									

PNU		Description
PNU Number	26880 (6900 hex)	<p>The current in Amps at which the soft Start ramp is held.</p> <p>Normally set to 350% of motor FLC. Increase if motor fails to accelerate at required rate</p> <p>The "Current Limit Level" will effect actual time to start. If set too low the motor may not accelerate to full speed.</p> <p>Range <input type="text" value="(0.5 x PNU25728) 50% I-motorA"/> - <input type="text" value="(4.5 x PNU25792) 450% I-unitA"/> Default <input type="text" value="(3.5 x PNU25728) 350% I-motorA"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Start Current Limit Level	
PNU Format	32 bit unsigned	
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	
PNU Number	26944 (6940 hex)	<p>The maximum time allowed for the current limit.</p> <p>If the current limit is still active at the end of this period the Unit will either 'Trip' or 'continue'</p> <p>Range <input type="text" value="1 (1 hex) 1s"/> - <input type="text" value="600 (258 hex) 600s"/> Default <input type="text" value="30 (1E hex) 30s"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Start Current Limit Time	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1 s)	
PNU Number	27584 (6BC0 hex)	<p>The current in Amps that will cause a "Shearpin Trip"</p> <p>A trip will occur if the motor current is greater than the "Trip Level" for the "Trip Time"</p> <p>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="(4.5 x PNU25792) 350% I-motorA"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Shearpin Trip Current	
PNU Format	32 bit unsigned	
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	
PNU Number	27648 (6C00 hex)	<p>The trip time for the Shearpin trip</p> <p>A trip will occur if the motor current is greater than the "Trip Level" for the "Trip Time"</p> <p>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"/></p>
PNU Name	Shearpin Trip Time	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1 ms)	
PNU Number	28160 (6E00 hex)	<p>A Hand-Auto selection switch can be connected to Digital Input D1-2I to change the 'Control Method'</p> <p>This can be used to change the Start / Stop to 'Hand' if the Communications fails</p> <p>D1-2I = 0 : Control Method is set to "2-Wire" (Hand) D1-2I = 1 : Control Method is set to "Modbus Network" (Auto)</p> <p>Hand : Input D1-1I = Start / Stop , Input D2-1I = Reset Auto : PNU 17920 = Start / Stop , PNU 18368 = 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>
PNU Name	Hand-Auto Control	
PNU Format		
PNU Note	0	

PNU		Description
PNU Number	28224 (6E40 hex)	<p>Determines the level in Amps at which the overload will start.</p> <p>Normally set to 115% of the set motor current (i-motor)</p> <p>Reduce to speed up trip response</p> <p>Range <input type="text" value="(0.5 x PNU25728) 50% I-motorA"/> - <input type="text" value="(4.5 x PNU25792) 125% I-motorA"/> Default <input type="text" value="(1.15 x PNU25728) 115% I-motorA"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Overload Level	
PNU Format	32 bit unsigned	
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	
PNU Number	28800 (7080 hex)	<p>The current in Amps at which the soft stop ramp is not allowed to go above.</p> <p>Normally set to 350% motor FLC. Decrease if motor decelerates too rapidly.</p> <p>The current limit level will effect actual time to stop the motor.</p> <p>Range <input type="text" value="(1 x PNU25728) 100% I-motorA"/> - <input type="text" value="(4.5 x PNU25792) 450% I-unitA"/> Default <input type="text" value="(3.5 x PNU25728) 350% I-motorA"/> Type <input type="button" value="Read/Write"/></p>
PNU Name	Stop Current Limit Level	
PNU Format	32 bit unsigned	
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	
PNU Number	28864 (70C0 hex)	<p>The maximum time allowed for the current limit.</p> <p>If the current limit is still active at the end of this period the Unit will either trip or continue</p> <p>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"/></p>
PNU Name	Stop Current Limit Time	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = 1 s)	
PNU Number	32000 (7D00 hex)	<p>The frequency of the 3-phase supply</p> <p>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"/></p>
PNU Name	Line Frequency	
PNU Format	16 bit unsigned	
PNU Note	Linear Scaling (1 = mHz) Freq(Hz) = (Value / 1000)	
PNU Number	32064 (7D40 hex)	<p>Indicates the phase sequence of the incoming supply.</p> <p>RYB = L1-L2-L3</p> <p>RBV = L1-L3-L2</p> <p>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"/></p>
PNU Name	Phase Rotation	
PNU Format	16 bit unsigned	
PNU Note	Binary value	

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>32896 (8080 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Current Irms</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	32896 (8080 hex)	PNU Name	Current Irms	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>The RMS motor current</p> <p>This is the maximum of the 3 phases. This value is used for the overload and power calculations</p> <p>Range <input type="text" value="0 (0 hex) 0A"/> - <input type="text" value="1000000 (989680 hex) 1000A"/> Default <input type="text" value="0 (0 hex) 0A"/> Type <input type="button" value="Read Only"/></p>
PNU Number	32896 (8080 hex)								
PNU Name	Current Irms								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>32960 (80C0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Voltage Vrms</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1 V)</td> </tr> </table>	PNU Number	32960 (80C0 hex)	PNU Name	Voltage Vrms	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1 V)	<p>The RMS 3-phase supply voltage.</p> <p>This is the average of the 3 phases. This value is used for power calculations</p> <p>This value is derived internally. If a higher level of accuracy is required a "Fixed Voltage" value can be used.</p> <p>Range <input type="text" value="0 (0 hex) 0V"/> - <input type="text" value="1000 (3E8 hex) 1000V"/> Default <input type="text" value="0 (0 hex) 0V"/> Type <input type="button" value="Read Only"/></p>
PNU Number	32960 (80C0 hex)								
PNU Name	Voltage Vrms								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 1 V)								
<table border="1"> <tr> <td>PNU Number</td> <td>33024 (8100 hex)</td> </tr> <tr> <td>PNU Name</td> <td>True Power Factor</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.001)</td> </tr> </table>	PNU Number	33024 (8100 hex)	PNU Name	True Power Factor	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.001)	<p>The True Power Factor</p> <p>The True Power Factor = (Displacement Power Factor x Distortion Power Factor)</p> <p>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="button" value="Read Only"/></p>
PNU Number	33024 (8100 hex)								
PNU Name	True Power Factor								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.001)								
<table border="1"> <tr> <td>PNU Number</td> <td>33408 (8280 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Overload</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	33408 (8280 hex)	PNU Name	Overload	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>The Unit has an "Overload" function that is an electronic equivalent to a thermal overload. "Overload" displays the overload level which is a measure of how close the Unit to tripping on "Overload Trip"</p> <p>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%)</p> <p>When the "Overload" reaches 100% the Unit will trip. During situations when (i-motor) is equal to (i-Unit) the overload will indicate 50%</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="button" value="Read Only"/></p>
PNU Number	33408 (8280 hex)								
PNU Name	Overload								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								
<table border="1"> <tr> <td>PNU Number</td> <td>33409 (8281 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Dynamic Reset</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	33409 (8281 hex)	PNU Name	Dynamic Reset	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Dynamically tracks the thermal capacity needed for a successful restart after an overload trip. It averages the thermal capacity consumed in the previous three successful starts, and calculates a thermal capacity to Start.</p> <p>The calculated thermal capacity required is stored in the "Dynamic Reset" register. After tripping on Overload the thermal "Overload" Register must have regained the amount recorded in "Dynamic Reset" before a Reset will be allowed.</p> <p>If there is insufficient capacity to start the unit will be "Inhibited" from starting. The unit can be reset when there is sufficient capacity to start and the start stop signal is not present</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="button" value="Read Only"/></p>
PNU Number	33409 (8281 hex)								
PNU Name	Dynamic Reset								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								

PNU		Description					
PNU Number	33536 (8300 hex)	The RMS current on phase L1					
PNU Name	I1						
PNU Format	32 bit unsigned						
PNU Note	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
PNU Number	33538 (8302 hex)	The RMS current on phase L2					
PNU Name	I2						
PNU Format	32 bit unsigned						
PNU Note	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
PNU Number	33540 (8304 hex)	The RMS current on phase L3					
PNU Name	I3						
PNU Format	32 bit unsigned						
PNU Note	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
PNU Number	33920 (8480 hex)	The voltage on phase L1					
PNU Name	V1						
PNU Format	32 bit unsigned						
PNU Note	Linear Scaling (1 = 1 V)						
		Range	0 (0 hex) 0V - 1000 (3E8 hex) 1000V	Default	0 (0 hex) 0V	Type	Read Only
PNU Number	33921 (8481 hex)	The voltage on phase L2					
PNU Name	V2						
PNU Format	32 bit unsigned						
PNU Note	Linear Scaling (1 = 1 V)						
		Range	0 (0 hex) 0V - 1000 (3E8 hex) 1000V	Default	0 (0 hex) 0V	Type	Read Only

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>33922 (8482 hex)</td> </tr> <tr> <td>PNU Name</td> <td>V3</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1 V)</td> </tr> </table>	PNU Number	33922 (8482 hex)	PNU Name	V3	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1 V)	<p>The voltage on phase L3</p> <p>Range <input type="text" value="0 (0 hex) 0V"/> - <input type="text" value="1000 (3E8 hex) 1000V"/> Default <input type="text" value="0 (0 hex) 0V"/> Type <input type="text" value="Read Only"/></p>
PNU Number	33922 (8482 hex)								
PNU Name	V3								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1 V)								
<table border="1"> <tr> <td>PNU Number</td> <td>34688 (8780 hex)</td> </tr> <tr> <td>PNU Name</td> <td>True Power P</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1W) True Power (kW) = (Value / 1000)</td> </tr> </table>	PNU Number	34688 (8780 hex)	PNU Name	True Power P	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1W) True Power (kW) = (Value / 1000)	<p>Total true power</p> <p>This is an addition of the 3 phases</p> <p>Range <input type="text" value="0 (0 hex) 0kW"/> - <input type="text" value="10000000 (989680 hex) 10000kW"/> Default <input type="text" value="0 (0 hex) 0kW"/> Type <input type="text" value="Read Only"/></p>
PNU Number	34688 (8780 hex)								
PNU Name	True Power P								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1W) True Power (kW) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>34816 (8800 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Apparent Power S</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1VA) Apparent Power (kVA) = (Value/1000)</td> </tr> </table>	PNU Number	34816 (8800 hex)	PNU Name	Apparent Power S	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1VA) Apparent Power (kVA) = (Value/1000)	<p>Total Apparent Power</p> <p>This is an addition of the 3 phases</p> <p>Range <input type="text" value="0 (0 hex) 0kVA"/> - <input type="text" value="10000000 (989680 hex) 10000kVA"/> Default <input type="text" value="0 (0 hex) 0kVA"/> Type <input type="text" value="Read Only"/></p>
PNU Number	34816 (8800 hex)								
PNU Name	Apparent Power S								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1VA) Apparent Power (kVA) = (Value/1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>34944 (8880 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Reactive Power Q</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1Var) Reactive Power (kVar) = (Value / 1000)</td> </tr> </table>	PNU Number	34944 (8880 hex)	PNU Name	Reactive Power Q	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1Var) Reactive Power (kVar) = (Value / 1000)	<p>Total Reactive power</p> <p>This is an addition of the 3 phases</p> <p>Range <input type="text" value="0 (0 hex) 0kvar"/> - <input type="text" value="10000000 (989680 hex) 10000kvar"/> Default <input type="text" value="0 (0 hex) 0kvar"/> Type <input type="text" value="Read Only"/></p>
PNU Number	34944 (8880 hex)								
PNU Name	Reactive Power Q								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1Var) Reactive Power (kVar) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>35008 (88C0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>iERS Saving Level</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	35008 (88C0 hex)	PNU Name	iERS Saving Level	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Indicates the level of potential saving</p> <p>100% indicates that Unit is saving at its maximum level</p> <p>Does not indicate real percentage saving.</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	35008 (88C0 hex)								
PNU Name	iERS Saving Level								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>35200 (8980 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Fixed Voltage</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1 V)</td> </tr> </table>	PNU Number	35200 (8980 hex)	PNU Name	Fixed Voltage	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 1 V)	<p>User settable voltage level for power calculations</p> <p>If a very high level of accuracy is required the user can input the 3-Phase voltage directly</p> <p>Range <input type="text" value="100 (64 hex) 100V"/> - <input type="text" value="1000 (3E8 hex) 1000V"/> Default <input type="text" value="400 (190 hex) 400V"/> Type <input type="button" value="Read/Write"/></p>
PNU Number	35200 (8980 hex)								
PNU Name	Fixed Voltage								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 1 V)								
<table border="1"> <tr> <td>PNU Number</td> <td>35264 (89C0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Fixed Voltage</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	35264 (89C0 hex)	PNU Name	Fixed Voltage	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>Selects the source for the voltage value used in the power calculations.</p> <p>on: kW kVar and kVA are calculated using the "Fixed Voltage"</p> <p>off: kW kVar and kVA are calculated using the internally measured voltage.</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>
PNU Number	35264 (89C0 hex)								
PNU Name	Fixed Voltage								
PNU Format	8 bit unsigned								
PNU Note	Binary value								
<table border="1"> <tr> <td>PNU Number</td> <td>35840 (8C00 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Number of Starts</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1)</td> </tr> </table>	PNU Number	35840 (8C00 hex)	PNU Name	Number of Starts	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1)	<p>The total number of successful starts</p> <p>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="button" value="Read Only"/></p>
PNU Number	35840 (8C00 hex)								
PNU Name	Number of Starts								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1)								
<table border="1"> <tr> <td>PNU Number</td> <td>35904 (8C40 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Motor Running Time</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1)</td> </tr> </table>	PNU Number	35904 (8C40 hex)	PNU Name	Motor Running Time	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1)	<p>The total time the motor has been running</p> <p>Range <input type="text" value="0 (0 hex) 0s"/> - <input type="text" value="4294967295 (FFFFFFFF hex) 4294836225s"/> Default <input type="text" value="0 (0 hex) 0s"/> Type <input type="button" value="Read Only"/></p>
PNU Number	35904 (8C40 hex)								
PNU Name	Motor Running Time								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1)								
<table border="1"> <tr> <td>PNU Number</td> <td>35906 (8C42 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Control Supply On Time</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1)</td> </tr> </table>	PNU Number	35906 (8C42 hex)	PNU Name	Control Supply On Time	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1)	<p>The total time the Unit has been powered up</p> <p>Range <input type="text" value="0 (0 hex) 0s"/> - <input type="text" value="4294967295 (FFFFFFFF hex) 4294836225s"/> Default <input type="text" value="0 (0 hex) 0s"/> Type <input type="button" value="Read Only"/></p>
PNU Number	35906 (8C42 hex)								
PNU Name	Control Supply On Time								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1)								

PNU		Description
PNU Number	36544 (8EC0 hex)	<p>The temperature of the internal Unit heatsink.</p> <p>The Unit will trip when the heatsink temperature exceeds 90°C.</p> <p>The internal cooling fans will turn on if this temperature exceeds 40°C</p> <p>Range <input type="text" value="7872 (1EC0 hex) -20°C"/> - <input type="text" value="1280 (500 hex) 90°C"/> Default <input type="text" value="Not Applicable °C"/> Type <input type="text" value="Read Only"/></p>
PNU Name	HeatSink Temp	
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1	
PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]	
PNU Number	37184 (9140 hex)	<p>STATUS INDICATION : Ready</p> <p>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</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>
PNU Name	Ready	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	37248 (9180 hex)	<p>STATUS INDICATION : Enabled</p> <p>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</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>
PNU Name	Enabled	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	37312 (91C0 hex)	<p>STATUS INDICATION : Error</p> <p>On : Indicates that the Unit has detected a fault and has shut down. Off : The Unit is fault free</p> <p>The fault must be cleared before a reset 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>
PNU Name	Error	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	37376 (9200 hex)	<p>Indicates that the Reset Delay counter is counting down</p> <p>Yes : The Auto Reset Delay is counting down No : The Auto Reset Delay is not counting down</p> <p>To map to digital output refer to PNU11584-PNU11587</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="text" value="Read Only"/></p>
PNU Name	Auto Reset Pending	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	37568 (92C0 hex)	<p>Indicates that the maximum number of reset attempts has been reached.</p> <p>Yes : The number of reset attempts has exceeded the value set No : The number of reset attempts has not exceeded the value set</p> <p>To map to digital output refer to PNU11584-PNU11587</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="text" value="Read Only"/></p>
PNU Name	Auto Reset Exceeded	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	37632 (9300 hex)	<p>STATUS INDICATION : Running</p> <p>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</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>
PNU Name	Running	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	37632 (9300 hex)	<p>STATUS INDICATION : Running</p> <p>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</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>
PNU Name	Running	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	37760 (9380 hex)	<p>STATUS INDICATION : End Of Start</p> <p>On : Indicates that the Soft Start ramp has been completed. Off : The Unit is disabled or ramping down.</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>
PNU Name	End Of Start	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	37824 (93C0 hex)	<p>STATUS INDICATION : Current Limit</p> <p>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 "</p> <p>To map to digital output refer to PNU11584-PNU11588</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>
PNU Name	Current Limit	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	38080 (94C0 hex)	STATUS INDICATION : iERS Active 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 To map to digital output refer to PNU11584-PNU11587 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 Only"/>
PNU Name	iERS Active	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	38144 (9500 hex)	STATUS INDICATION : Shearpin On : Indicates that the motor current is above the Shearpin Level Off : Indicates that the motor current is below the Shearpin Level To map to digital output refer to PNU11584-PNU11587 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 Only"/>
PNU Name	Shearpin	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	38208 (9540 hex)	STATUS INDICATION : Low Current On : Indicates that the motor current is below the Low Current Level Off : Indicates that the motor current is above the Low Current Level To map to digital output refer to PNU11584-PNU11587 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 Only"/>
PNU Name	Low Current	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	38400 (9600 hex)	Displays the peak current of the last successful start. 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"/>
PNU Name	Last Peak Current	
PNU Format	32 bit unsigned	
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	
PNU Number	38402 (9602 hex)	Displays the peak current of the last successful start -1 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"/>
PNU Name	Last peak start current -1	
PNU Format	32 bit unsigned	
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>38404 (9604 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak start current -2</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	38404 (9604 hex)	PNU Name	Last peak start current -2	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful start -2</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="button" value="Read Only"/></p>
PNU Number	38404 (9604 hex)								
PNU Name	Last peak start current -2								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>38406 (9606 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak start current -3</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	38406 (9606 hex)	PNU Name	Last peak start current -3	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful start -3</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="button" value="Read Only"/></p>
PNU Number	38406 (9606 hex)								
PNU Name	Last peak start current -3								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>38408 (9608 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak start current -4</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	38408 (9608 hex)	PNU Name	Last peak start current -4	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful start -4</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="button" value="Read Only"/></p>
PNU Number	38408 (9608 hex)								
PNU Name	Last peak start current -4								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>38410 (960A hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak start current -5</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	38410 (960A hex)	PNU Name	Last peak start current -5	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful start -5</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="button" value="Read Only"/></p>
PNU Number	38410 (960A hex)								
PNU Name	Last peak start current -5								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>38412 (960C hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak start current -6</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	38412 (960C hex)	PNU Name	Last peak start current -6	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful start -6</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="button" value="Read Only"/></p>
PNU Number	38412 (960C hex)								
PNU Name	Last peak start current -6								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>38414 (960E hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak start current -7</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	38414 (960E hex)	PNU Name	Last peak start current -7	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Displays the peak current of the last successful start -7 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"/>
PNU Number	38414 (960E hex)								
PNU Name	Last peak start current -7								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>38416 (9610 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak start current -8</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	38416 (9610 hex)	PNU Name	Last peak start current -8	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Displays the peak current of the last successful start -8 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"/>
PNU Number	38416 (9610 hex)								
PNU Name	Last peak start current -8								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>38418 (9612 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak start current -9</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	38418 (9612 hex)	PNU Name	Last peak start current -9	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Displays the peak current of the last successful start -9 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"/>
PNU Number	38418 (9612 hex)								
PNU Name	Last peak start current -9								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>38464 (9640 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak start current / Last Temperature / Last Overload (Time)</td> </tr> <tr> <td>PNU Format</td> <td>6 Bytes</td> </tr> <tr> <td>PNU Note</td> <td>Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</td> </tr> </table>	PNU Number	38464 (9640 hex)	PNU Name	Last peak start current / Last Temperature / Last Overload (Time)	PNU Format	6 Bytes	PNU Note	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)	Displays the event time 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="text" value="Read Only"/>
PNU Number	38464 (9640 hex)								
PNU Name	Last peak start current / Last Temperature / Last Overload (Time)								
PNU Format	6 Bytes								
PNU Note	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)								
<table border="1"> <tr> <td>PNU Number</td> <td>38467 (9643 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak start current / Last Temperature / Last Overload -1 (Time)</td> </tr> <tr> <td>PNU Format</td> <td>6 Bytes</td> </tr> <tr> <td>PNU Note</td> <td>Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</td> </tr> </table>	PNU Number	38467 (9643 hex)	PNU Name	Last peak start current / Last Temperature / Last Overload -1 (Time)	PNU Format	6 Bytes	PNU Note	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)	Displays the event time 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="text" value="Read Only"/>
PNU Number	38467 (9643 hex)								
PNU Name	Last peak start current / Last Temperature / Last Overload -1 (Time)								
PNU Format	6 Bytes								
PNU Note	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)								

PNU		Description							
PNU Number	38470 (9646 hex)	Displays the event time							
PNU Name	Last peak start current / Last Temperature / Last Overload -2 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	38473 (9649 hex)	Displays the event time							
PNU Name	Last peak start current / Last Temperature / Last Overload -3 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	38476 (964C hex)	Displays the event time							
PNU Name	Last peak start current / Last Temperature / Last Overload -4 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	38479 (964F hex)	Displays the event time							
PNU Name	Last peak start current / Last Temperature / Last Overload -5 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	38482 (9652 hex)	Displays the event time							
PNU Name	Last peak start current / Last Temperature / Last Overload -6 (Time)								
PNU Format	6 Bytes								
PNU Note	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

PNU		Description							
PNU Number	38485 (9655 hex)	Displays the event time							
PNU Name	Last peak start current / Last Temperature / Last Overload -7 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	38488 (9658 hex)	Displays the event time							
PNU Name	Last peak start current / Last Temperature / Last Overload -8 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	38491 (965B hex)	Displays the event time							
PNU Name	Last peak start current / Last Temperature / Last Overload -9 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	39040 (9880 hex)	Displays the peak current of the last successful stop							
PNU Name	Last peak stop current								
PNU Format	32 bit unsigned								
PNU Note	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
PNU Number	39042 (9882 hex)	Displays the peak current of the last successful stop -1							
PNU Name	Last peak stop current -1								
PNU Format	32 bit unsigned								
PNU Note	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

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>39044 (9884 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak stop current -2</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	39044 (9884 hex)	PNU Name	Last peak stop current -2	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful stop -2</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>
PNU Number	39044 (9884 hex)								
PNU Name	Last peak stop current -2								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>39046 (9886 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak stop current -3</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	39046 (9886 hex)	PNU Name	Last peak stop current -3	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful stop -3</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>
PNU Number	39046 (9886 hex)								
PNU Name	Last peak stop current -3								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>39048 (9888 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak stop current -4</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	39048 (9888 hex)	PNU Name	Last peak stop current -4	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful stop -4</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>
PNU Number	39048 (9888 hex)								
PNU Name	Last peak stop current -4								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>39050 (988A hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak stop current -5</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	39050 (988A hex)	PNU Name	Last peak stop current -5	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful stop -5</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>
PNU Number	39050 (988A hex)								
PNU Name	Last peak stop current -5								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>39052 (988C hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak stop current -6</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	39052 (988C hex)	PNU Name	Last peak stop current -6	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	<p>Displays the peak current of the last successful stop -6</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>
PNU Number	39052 (988C hex)								
PNU Name	Last peak stop current -6								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>39054 (988E hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak stop current -7</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	39054 (988E hex)	PNU Name	Last peak stop current -7	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Displays the peak current of the last successful stop -7 Range <input type="text" value="0 (0 hex) 0A"/> - <input type="text" value="1000000 (989680 hex) 10000A"/> Default <input type="text" value="0 (0 hex) 0A"/> Type <input type="text" value="Read Only"/>
PNU Number	39054 (988E hex)								
PNU Name	Last peak stop current -7								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>39056 (9890 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak stop current -8</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	39056 (9890 hex)	PNU Name	Last peak stop current -8	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Displays the peak current of the last successful stop -8 Range <input type="text" value="0 (0 hex) 0A"/> - <input type="text" value="1000000 (989680 hex) 10000A"/> Default <input type="text" value="0 (0 hex) 0A"/> Type <input type="text" value="Read Only"/>
PNU Number	39056 (9890 hex)								
PNU Name	Last peak stop current -8								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>39058 (9892 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak stop current -9</td> </tr> <tr> <td>PNU Format</td> <td>32 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)</td> </tr> </table>	PNU Number	39058 (9892 hex)	PNU Name	Last peak stop current -9	PNU Format	32 bit unsigned	PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)	Displays the peak current of the last successful stop -9 Range <input type="text" value="0 (0 hex) 0A"/> - <input type="text" value="1000000 (989680 hex) 10000A"/> Default <input type="text" value="0 (0 hex) 0A"/> Type <input type="text" value="Read Only"/>
PNU Number	39058 (9892 hex)								
PNU Name	Last peak stop current -9								
PNU Format	32 bit unsigned								
PNU Note	Linear Scaling (1 = 1mA) Current (A) = (Value / 1000)								
<table border="1"> <tr> <td>PNU Number</td> <td>39104 (98C0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak stop current (Time)</td> </tr> <tr> <td>PNU Format</td> <td>6 Bytes</td> </tr> <tr> <td>PNU Note</td> <td>Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</td> </tr> </table>	PNU Number	39104 (98C0 hex)	PNU Name	Last peak stop current (Time)	PNU Format	6 Bytes	PNU Note	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)	Displays the event time 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="text" value="Read Only"/>
PNU Number	39104 (98C0 hex)								
PNU Name	Last peak stop current (Time)								
PNU Format	6 Bytes								
PNU Note	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)								
<table border="1"> <tr> <td>PNU Number</td> <td>39107 (98C3 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last peak stop current -1 (Time)</td> </tr> <tr> <td>PNU Format</td> <td>6 Bytes</td> </tr> <tr> <td>PNU Note</td> <td>Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</td> </tr> </table>	PNU Number	39107 (98C3 hex)	PNU Name	Last peak stop current -1 (Time)	PNU Format	6 Bytes	PNU Note	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)	Displays the event time 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="text" value="Read Only"/>
PNU Number	39107 (98C3 hex)								
PNU Name	Last peak stop current -1 (Time)								
PNU Format	6 Bytes								
PNU Note	Time(ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)								

PNU		Description							
PNU Number	39110 (98C6 hex)	Displays the event time							
PNU Name	Last peak stop current -2 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	39113 (98C9 hex)	Displays the event time							
PNU Name	Last peak stop current -3 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	39116 (98CC hex)	Displays the event time							
PNU Name	Last peak stop current -4 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	39119 (98CF hex)	Displays the event time							
PNU Name	Last peak stop current -5 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	39122 (98D2 hex)	Displays the event time							
PNU Name	Last peak stop current -6 (Time)								
PNU Format	6 Bytes								
PNU Note	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

PNU		Description					
PNU Number	39125 (98D5 hex)	Displays the event time					
PNU Name	Last peak stop current -7 (Time)						
PNU Format	6 Bytes						
PNU Note	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
PNU Number	39128 (98D8 hex)	Displays the event time					
PNU Name	Last peak stop current -8 (Time)						
PNU Format	6 Bytes						
PNU Note	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
PNU Number	39131 (98DB hex)	Displays the event time					
PNU Name	Last peak stop current -9 (Time)						
PNU Format	6 Bytes						
PNU Note	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
PNU Number	39680 (9B00 hex)	Displays the heatsink temperature at the end of the last successful start					
PNU Name	Last temperature						
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1						
PNU Note	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
PNU Number	39681 (9B01 hex)	Displays the heatsink temperature at the end of the last successful start -1					
PNU Name	Last temperature -1						
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1						
PNU Note	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

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>39682 (9B02 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last temperature -2</td> </tr> <tr> <td>PNU Format</td> <td>16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1</td> </tr> <tr> <td>PNU Note</td> <td>bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]</td> </tr> </table>	PNU Number	39682 (9B02 hex)	PNU Name	Last temperature -2	PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1	PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]	<p>Displays the heatsink temperature at the end of the last successful start -2</p> <p>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"/></p>
PNU Number	39682 (9B02 hex)								
PNU Name	Last temperature -2								
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1								
PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]								
<table border="1"> <tr> <td>PNU Number</td> <td>39683 (9B03 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last temperature -3</td> </tr> <tr> <td>PNU Format</td> <td>16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1</td> </tr> <tr> <td>PNU Note</td> <td>bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]</td> </tr> </table>	PNU Number	39683 (9B03 hex)	PNU Name	Last temperature -3	PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1	PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]	<p>Displays the heatsink temperature at the end of the last successful start-3</p> <p>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"/></p>
PNU Number	39683 (9B03 hex)								
PNU Name	Last temperature -3								
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1								
PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]								
<table border="1"> <tr> <td>PNU Number</td> <td>39684 (9B04 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last temperature -4</td> </tr> <tr> <td>PNU Format</td> <td>16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1</td> </tr> <tr> <td>PNU Note</td> <td>bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]</td> </tr> </table>	PNU Number	39684 (9B04 hex)	PNU Name	Last temperature -4	PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1	PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]	<p>Displays the heatsink temperature at the end of the last successful start-4</p> <p>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"/></p>
PNU Number	39684 (9B04 hex)								
PNU Name	Last temperature -4								
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1								
PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]								
<table border="1"> <tr> <td>PNU Number</td> <td>39685 (9B05 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last temperature -5</td> </tr> <tr> <td>PNU Format</td> <td>16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1</td> </tr> <tr> <td>PNU Note</td> <td>bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]</td> </tr> </table>	PNU Number	39685 (9B05 hex)	PNU Name	Last temperature -5	PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1	PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]	<p>Displays the heatsink temperature at the end of the last successful start-5</p> <p>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"/></p>
PNU Number	39685 (9B05 hex)								
PNU Name	Last temperature -5								
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1								
PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]								
<table border="1"> <tr> <td>PNU Number</td> <td>39686 (9B06 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last temperature -6</td> </tr> <tr> <td>PNU Format</td> <td>16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1</td> </tr> <tr> <td>PNU Note</td> <td>bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]</td> </tr> </table>	PNU Number	39686 (9B06 hex)	PNU Name	Last temperature -6	PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1	PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]	<p>Displays the heatsink temperature at the end of the last successful start-6</p> <p>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"/></p>
PNU Number	39686 (9B06 hex)								
PNU Name	Last temperature -6								
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1								
PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>39687 (9B07 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last temperature -7</td> </tr> <tr> <td>PNU Format</td> <td>16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1</td> </tr> <tr> <td>PNU Note</td> <td>bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]</td> </tr> </table>	PNU Number	39687 (9B07 hex)	PNU Name	Last temperature -7	PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1	PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]	<p>Displays the heatsink temperature at the end of the last successful start-7</p> <p>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"/></p>
PNU Number	39687 (9B07 hex)								
PNU Name	Last temperature -7								
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1								
PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]								
<table border="1"> <tr> <td>PNU Number</td> <td>39688 (9B08 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last temperature -8</td> </tr> <tr> <td>PNU Format</td> <td>16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1</td> </tr> <tr> <td>PNU Note</td> <td>bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]</td> </tr> </table>	PNU Number	39688 (9B08 hex)	PNU Name	Last temperature -8	PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1	PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]	<p>Displays the heatsink temperature at the end of the last successful start-8</p> <p>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"/></p>
PNU Number	39688 (9B08 hex)								
PNU Name	Last temperature -8								
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1								
PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]								
<table border="1"> <tr> <td>PNU Number</td> <td>39689 (9B09 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last temperature -9</td> </tr> <tr> <td>PNU Format</td> <td>16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1</td> </tr> <tr> <td>PNU Note</td> <td>bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]</td> </tr> </table>	PNU Number	39689 (9B09 hex)	PNU Name	Last temperature -9	PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1	PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]	<p>Displays the heatsink temperature at the end of the last successful start-9</p> <p>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"/></p>
PNU Number	39689 (9B09 hex)								
PNU Name	Last temperature -9								
PNU Format	16 bit (Highbyte=b11-b8, LowByte=b7-b0) Ta >= 0 b12=0 Ta < 0 b12=1								
PNU Note	bit12=0 [HighByte*16 + LowByte/16] bit12=1 256-[HighByte*16 + LowByte/16]								
<table border="1"> <tr> <td>PNU Number</td> <td>40320 (9D80 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last overload</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	40320 (9D80 hex)	PNU Name	Last overload	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Displays the overload level at the end of the last successful start</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	40320 (9D80 hex)								
PNU Name	Last overload								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								
<table border="1"> <tr> <td>PNU Number</td> <td>40321 (9D81 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last overload-1</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	40321 (9D81 hex)	PNU Name	Last overload-1	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Displays the overload level at the end of the last successful start -1</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	40321 (9D81 hex)								
PNU Name	Last overload-1								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>40322 (9D82 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last overload-2</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	40322 (9D82 hex)	PNU Name	Last overload-2	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Displays the overload level at the end of the last successful start -2</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	40322 (9D82 hex)								
PNU Name	Last overload-2								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								
<table border="1"> <tr> <td>PNU Number</td> <td>40323 (9D83 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last overload-3</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	40323 (9D83 hex)	PNU Name	Last overload-3	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Displays the overload level at the end of the last successful start -3</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	40323 (9D83 hex)								
PNU Name	Last overload-3								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								
<table border="1"> <tr> <td>PNU Number</td> <td>40324 (9D84 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last overload-4</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	40324 (9D84 hex)	PNU Name	Last overload-4	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Displays the overload level at the end of the last successful start -4</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	40324 (9D84 hex)								
PNU Name	Last overload-4								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								
<table border="1"> <tr> <td>PNU Number</td> <td>40325 (9D85 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last overload-5</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	40325 (9D85 hex)	PNU Name	Last overload-5	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Displays the overload level at the end of the last successful start -5</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	40325 (9D85 hex)								
PNU Name	Last overload-5								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								
<table border="1"> <tr> <td>PNU Number</td> <td>40326 (9D86 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last overload-6</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	40326 (9D86 hex)	PNU Name	Last overload-6	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Displays the overload level at the end of the last successful start -6</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	40326 (9D86 hex)								
PNU Name	Last overload-6								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>40327 (9D87 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last overload-7</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	40327 (9D87 hex)	PNU Name	Last overload-7	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<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="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	40327 (9D87 hex)								
PNU Name	Last overload-7								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								
<table border="1"> <tr> <td>PNU Number</td> <td>40328 (9D88 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last overload-8</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	40328 (9D88 hex)	PNU Name	Last overload-8	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<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="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	40328 (9D88 hex)								
PNU Name	Last overload-8								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								
<table border="1"> <tr> <td>PNU Number</td> <td>40329 (9D89 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last overload-9</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	40329 (9D89 hex)	PNU Name	Last overload-9	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<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="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read Only"/></p>
PNU Number	40329 (9D89 hex)								
PNU Name	Last overload-9								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								
<table border="1"> <tr> <td>PNU Number</td> <td>44864 (AF40 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Trip Sensitivity</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 = 0.01 %)</td> </tr> </table>	PNU Number	44864 (AF40 hex)	PNU Name	Trip Sensitivity	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 = 0.01 %)	<p>Adjusts the reaction time to fault trips</p> <p>Increase "Trip Sensitivity" to slow the response to fault trips. This is sometimes useful on sites were electrical noise is causing nuisance tripping</p> <p>This is a global setting. Increasing "Trip Sensitivity" will slow the response of nearly all the trips.</p> <p>Range <input type="text" value="0 (0 hex) 0%"/> - <input type="text" value="10000 (2710 hex) 100%"/> Default <input type="text" value="0 (0 hex) 0%"/> Type <input type="text" value="Read/Write"/></p>
PNU Number	44864 (AF40 hex)								
PNU Name	Trip Sensitivity								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 = 0.01 %)								
<table border="1"> <tr> <td>PNU Number</td> <td>53762 (D202 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Input Side Phase Loss</td> </tr> <tr> <td>PNU Format</td> <td>8 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Binary value</td> </tr> </table>	PNU Number	53762 (D202 hex)	PNU Name	Input Side Phase Loss	PNU Format	8 bit unsigned	PNU Note	Binary value	<p>Detects if there is a disconnection between the unit input and the three-phase supply when the motor is running.</p> <p>On : Trips if there is a disconnection between the input side of the unit and the three-phase 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>
PNU Number	53762 (D202 hex)								
PNU Name	Input Side Phase Loss								
PNU Format	8 bit unsigned								
PNU Note	Binary value								

PNU		Description
PNU Number	53765 (D205 hex)	<p>Detects if the communications bus has failed or become inactive between the keypad and the main unit.</p> <p>On :Keypad trip enabled.</p> <p>Off : Keypad 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>
PNU Name	Keypad Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53766 (D206 hex)	<p>Detects if there is an imbalance between the phases on the incoming three-phase supply</p> <p>On : Trips if there is an imbalance in the incoming three-phase supply.</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>
PNU Name	Voltage Imbalance Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53768 (D208 hex)	<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>
PNU Name	Thermal Sensor Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53769 (D209 hex)	<p>This 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 : Follows normal soft stop 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>
PNU Name	Shut Down (1)	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53770 (D20A hex)	<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 : Follows normal soft stop 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>
PNU Name	Shut Down (2)	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	53774 (D20E hex)	<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 < 10R is assumed short circuit)</p> <p>Off : The Unit will attempt to start and run although the operation may be erratic. (Not recommended) 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>
PNU Name	Thyristor Firing Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53775 (D20F hex)	<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>
PNU Name	Current Sensor Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53777 (D211 hex)	<p>Detects if there is a disconnection between the Unit output and the motor</p> <p>On : Trips if there is a disconnection between the output side of the Unit and the motor</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>
PNU Name	Motor Side Phase Loss	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53781 (D215 hex)	<p>Detects if there is a fault with operation of one or more of the internal Thyristors</p> <p>On : Trips if one or more of the Thyristors fails to turn on properly.</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>
PNU Name	Sensing Fault Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53782 (D216 hex)	<p>Detects if the cooling fans have failed.</p> <p>On : The Unit trips if the cooling fans fitted to the Unit fail.</p> <p>Off : The unit will continue to operate and is likely to trip on a thermal trip as the heatsink will not be sufficiently cooled</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>
PNU Name	Fan Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	53787 (D21B hex)	<p>This can be used to detect if the motor is running lightly loaded.</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</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>
PNU Name	Low Current Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53790 (D21E hex)	<p>Selects trip or continue if the current limit has been active for too long</p> <p>On : The Unit will trip</p> <p>Off: The start 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="1 (1 hex) On"/> Type <input type="text" value="Read/Write"/></p>
PNU Name	Start Current Limit Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53791 (D21F hex)	<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="text" value="Read/Write"/></p>
PNU Name	Stop Current Limit Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53792 (D220 hex)	<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" level (ModbusPNU 33408) exceeds 100%</p> <p>Off: The Unit will continue to operate regardless of motor current level (Not recommended)</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>
PNU Name	Overload Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53793 (D221 hex)	<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, dwell period 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="text" value="Read/Write"/></p>
PNU Name	Shearpin Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	53794 (D222 hex)	<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="text" value="Read/Write"/></p>
PNU Name	PTC Motor Thermistor Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53795 (D223 hex)	<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="text" value="Read/Write"/></p>
PNU Name	External Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53796 (D224 hex)	<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>
PNU Name	Communications Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53799 (D227 hex)	<p>Detects if the logging function has failed to operate normally</p> <p>On : Operation 1 trip enabled. (Trip Code 2601-2699)</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>
PNU Name	Operation 1 Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53800 (D228 hex)	<p>Detects if the Control Board has failed to operate normally</p> <p>On : Operation 2 trip enabled. (Trip Code 2401-2499)</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) On"/> Type <input type="text" value="Read/Write"/></p>
PNU Name	Operation 2 Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	

PNU		Description
PNU Number	53802 (D22A hex)	<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>
PNU Name	Communications Shutdown	
PNU Format		
PNU Note	0	
PNU Number	53804 (D22C hex)	<p>For safety reasons the Unit will trip during some operations if the remote start signal is active</p> <p>On : Trips if the remote start signal is active when the Unit is powered up or a reset is applied.</p> <p>Off : The Unit will not trip and may start unexpectedly if the start signal is accidentally left active.</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>
PNU Name	Remote Start Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53807 (D22F hex)	<p>Determines if supply phase sequence is incorrect for motor rotation</p> <p>On : Trips if the phase sequence is L1-L3-L2.</p> <p>Off : The Unit will continue to operate normally</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>
PNU Name	L1-L3-L2 Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	53808 (D230 hex)	<p>Determines if supply phase sequence is incorrect for motor rotation</p> <p>On : Trips if the phase sequence is L1-L2-L3.</p> <p>Off : The Unit will continue to operate normally</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>
PNU Name	L1-L2-L3 Trip	
PNU Format	8 bit unsigned	
PNU Note	Binary value	
PNU Number	59392 (E800 hex)	<p>Local Touch Screen : Control using the buttons on the keypad.</p> <p>User Programmable : Control using the terminals. Function defined in "I/O" menu.</p> <p>Two Wire Control : Control using terminals. Functions fixed as shown on screen.</p> <p>Three Wire Control : Control using terminals. Functions fixed as shown on screen.</p> <p>Modbus: Control via remote Modbus network</p> <p>Range <input type="text" value="0 (0 hex) Local Touch Screen"/> - <input type="text" value="4 (4 hex) Modbus"/> Default <input type="text" value="0 (0 hex) Local Touch Screen"/> Type <input type="text" value="Read/Write"/></p>
PNU Name	Control Method	
PNU Format	16 bit unsigned	
PNU Note	0 = Local, 1 = User, 2 = TwoWire, 3 = ThreeWire, 4 = Modbus	

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>60608 (ECC0 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last Trip</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 =1) See Trip Code Descriptions</td> </tr> </table>	PNU Number	60608 (ECC0 hex)	PNU Name	Last Trip	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions	<p>Displays the last Fault trip</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="text" value="Read Only"/></p>
PNU Number	60608 (ECC0 hex)								
PNU Name	Last Trip								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions								
<table border="1"> <tr> <td>PNU Number</td> <td>60609 (ECC1 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last Trip -1</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 =1) See Trip Code Descriptions</td> </tr> </table>	PNU Number	60609 (ECC1 hex)	PNU Name	Last Trip -1	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions	<p>Displays the last Fault trip -1</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="text" value="Read Only"/></p>
PNU Number	60609 (ECC1 hex)								
PNU Name	Last Trip -1								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions								
<table border="1"> <tr> <td>PNU Number</td> <td>60610 (ECC2 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last Trip -2</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 =1) See Trip Code Descriptions</td> </tr> </table>	PNU Number	60610 (ECC2 hex)	PNU Name	Last Trip -2	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions	<p>Displays the last Fault trip -2</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="text" value="Read Only"/></p>
PNU Number	60610 (ECC2 hex)								
PNU Name	Last Trip -2								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions								
<table border="1"> <tr> <td>PNU Number</td> <td>60611 (ECC3 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last Trip -3</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 =1) See Trip Code Descriptions</td> </tr> </table>	PNU Number	60611 (ECC3 hex)	PNU Name	Last Trip -3	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions	<p>Displays the last Fault trip -3</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="text" value="Read Only"/></p>
PNU Number	60611 (ECC3 hex)								
PNU Name	Last Trip -3								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions								
<table border="1"> <tr> <td>PNU Number</td> <td>60612 (ECC4 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last Trip -4</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 =1) See Trip Code Descriptions</td> </tr> </table>	PNU Number	60612 (ECC4 hex)	PNU Name	Last Trip -4	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions	<p>Displays the last Fault trip -4</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="text" value="Read Only"/></p>
PNU Number	60612 (ECC4 hex)								
PNU Name	Last Trip -4								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions								

PNU		Description							
<table border="1"> <tr> <td>PNU Number</td> <td>60613 (ECC5 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last Trip -5</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 =1) See Trip Code Descriptions</td> </tr> </table>	PNU Number	60613 (ECC5 hex)	PNU Name	Last Trip -5	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions	<p>Displays the last Fault trip -5</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="text" value="Read Only"/></p>
PNU Number	60613 (ECC5 hex)								
PNU Name	Last Trip -5								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions								
<table border="1"> <tr> <td>PNU Number</td> <td>60614 (ECC6 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last Trip -6</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 =1) See Trip Code Descriptions</td> </tr> </table>	PNU Number	60614 (ECC6 hex)	PNU Name	Last Trip -6	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions	<p>Displays the last Fault trip -6</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="text" value="Read Only"/></p>
PNU Number	60614 (ECC6 hex)								
PNU Name	Last Trip -6								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions								
<table border="1"> <tr> <td>PNU Number</td> <td>60615 (ECC7 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last Trip -7</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 =1) See Trip Code Descriptions</td> </tr> </table>	PNU Number	60615 (ECC7 hex)	PNU Name	Last Trip -7	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions	<p>Displays the last Fault trip -7</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="text" value="Read Only"/></p>
PNU Number	60615 (ECC7 hex)								
PNU Name	Last Trip -7								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions								
<table border="1"> <tr> <td>PNU Number</td> <td>60616 (ECC8 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last Trip -8</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 =1) See Trip Code Descriptions</td> </tr> </table>	PNU Number	60616 (ECC8 hex)	PNU Name	Last Trip -8	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions	<p>Displays the last Fault trip -8</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="text" value="Read Only"/></p>
PNU Number	60616 (ECC8 hex)								
PNU Name	Last Trip -8								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions								
<table border="1"> <tr> <td>PNU Number</td> <td>60617 (ECC9 hex)</td> </tr> <tr> <td>PNU Name</td> <td>Last Trip -9</td> </tr> <tr> <td>PNU Format</td> <td>16 bit unsigned</td> </tr> <tr> <td>PNU Note</td> <td>Linear Scaling (1 =1) See Trip Code Descriptions</td> </tr> </table>	PNU Number	60617 (ECC9 hex)	PNU Name	Last Trip -9	PNU Format	16 bit unsigned	PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions	<p>Displays the last Fault trip -9</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="text" value="Read Only"/></p>
PNU Number	60617 (ECC9 hex)								
PNU Name	Last Trip -9								
PNU Format	16 bit unsigned								
PNU Note	Linear Scaling (1 =1) See Trip Code Descriptions								

PNU		Description							
PNU Number	60672 (ED00 hex)	Displays the event time							
PNU Name	Last Trip (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	60675 (ED03 hex)	Displays the event time							
PNU Name	Last Trip -1 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	60678 (ED06 hex)	Displays the event time							
PNU Name	Last Trip -2 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	60681 (ED09 hex)	Displays the event time							
PNU Name	Last Trip -3 (Time)								
PNU Format	6 Bytes								
PNU Note	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
PNU Number	60684 (ED0C hex)	Displays the event time							
PNU Name	Last Trip -4 (Time)								
PNU Format	6 Bytes								
PNU Note	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

PNU		Description					
PNU Number	60687 (ED0F hex)	Displays the event time					
PNU Name	Last Trip -5 (Time)						
PNU Format	6 Bytes						
PNU Note	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="text" value="Read Only"/>
PNU Number	60690 (ED12 hex)	Displays the event time					
PNU Name	Last Trip -6 (Time)						
PNU Format	6 Bytes						
PNU Note	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="text" value="Read Only"/>
PNU Number	60693 (ED15 hex)	Displays the event time					
PNU Name	Last Trip -7 (Time)						
PNU Format	6 Bytes						
PNU Note	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="text" value="Read Only"/>
PNU Number	60696 (ED18 hex)	Displays the event time					
PNU Name	Last Trip -8 (Time)						
PNU Format	6 Bytes						
PNU Note	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="text" value="Read Only"/>
PNU Number	60699 (ED1B hex)	Displays the event time					
PNU Name	Last Trip -9 (Time)						
PNU Format	6 Bytes						
PNU Note	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="text" value="Read Only"/>

PNU		Description
PNU Number	62016 (F240 hex)	Displays the current status of the hardware inputs and Outputs b0 (Input DI-1) b1 (Input D1-2I) b2 (input D2-1I) b3 (undefined) b4 (Output 12) b5 (Output 24) b6 (Output 34) b7 (Output 44) 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"/>
PNU Name	I/O Status Register	
PNU Format		
PNU Note	0	
PNU Number	62080 (F280 hex)	Restores the Unit to the factory defaults 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"/>
PNU Name	Reset Defaults	
PNU Format	16 bit unsigned	
PNU Note	Binary value	
PNU Number	62144 (F2C0 hex)	Saves all Read /Write parameters to non volatile memory Yes : Parameters are permanently written No : Parameters remain changed until next power cycle 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"/>
PNU Name	Save Parameters	
PNU Format	16 bit unsigned	
PNU Note	Binary value	
PNU Number	Trip Code Descriptions	Phase L1 missing at the instant of start up. The L1 phase is either missing or at a very low level Check all incoming connections. If a main contactor is being controlled by a digital output set to "Running" check contactor delay is sufficient Range <input type="text" value=""/> - <input type="text" value=""/> Default <input type="text" value=""/> Type <input type="button" value="Read Only"/>
PNU Name	101 Phase Loss Input Side	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	Phase L2 missing at the instant of start up The L2 phase is either missing or at a very low level Check all incoming connections. If a main contactor is being controlled by a digital output set to "Running" check contactor delay is sufficient Range <input type="text" value=""/> - <input type="text" value=""/> Default <input type="text" value=""/> Type <input type="button" value="Read Only"/>
PNU Name	102 Phase Loss Input Side	
PNU Format		
PNU Note	0	

PNU		Description
PNU Number	Trip Code Descriptions	Phase L3 missing at the instant of start up
PNU Name	103 Phase Loss Input Side	The L3 phase is either missing or at a very low level
PNU Format		Check all incoming connections. If a main contactor is being controlled by a digital output set to "Running" check contactor delay is sufficient
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	Any or all phases missing when the motor is being controlled
PNU Name	104 - 117 Side Phase Loss Input	L1 L2 or L3 phase are missing or at a very low level.
PNU Format		Check all incoming connections. Check any fuses / breakers incorporated in the power circuit
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	The three phase input voltages are imbalanced
PNU Name	150 Imbalance Trip Voltage	The maximum volatge is determined and the other voltages are compared to it
PNU Format		Check all incoming connections. Check any fuses / breakers incorporated in the power circuit
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	Internal heatsink temperature has exceeded 90°C
PNU Name	201 Temp. Exceeded Maximum	It is possible the Unit is operating outside specified limits.
PNU Format		Check enclosure ventilation and airflow around the Unit. If the unit trips immediately the internal temperature sensor could be faulty.
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	Thermal sensor Failure
PNU Name	208 Sensor Trip Thermal	The internal temperature sensor has failed
PNU Format		Contact the supplier
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>

PNU		Description
PNU Number	Trip Code Descriptions	<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>
PNU Name	301-308 Thyristor Firing Trip	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<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>
PNU Name	350-358 Thyristor Firing Trip	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<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>
PNU Name	401 Motor Side Phase Loss	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<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>
PNU Name	402-403 Motor Side Phase Loss	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<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 manual.</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
PNU Name	601 Control Voltage Too Low	
PNU Format		
PNU Note	0	

PNU		Description
PNU Number	Trip Code Descriptions	<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>
PNU Name	701-710 Sensing Fault Trip	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<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>
PNU Name	801-802 Fan Problem	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<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 + MOTOR Disconnect supply. Check by measuring the resistance between L1-T1 L2-T2 L3-T3 (Anything < 10R is assumed short circuit).</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
PNU Name	1001 Short Circuit Thyristor	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<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>
PNU Name	1101 Low Current Trip	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<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>
PNU Name	1201 Current Limit Timeout Trip	
PNU Format		
PNU Note	0	

PNU		Description
PNU Number	Trip Code Descriptions	The motor has been held in current limit longer than the "Stop current limit Time"
PNU Name	1202 Current Limit Timeout Trip	It is likely that the current limit level has been set too low for the application.
PNU Format		Increase the current limit level or timeout period.
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	The "Overload" has exceeded 100%
PNU Name	1301 Overload Trip	The Unit is attempting to start an application that is outside its rating or it is starting too often.
PNU Format		Refer to the overload trip curves to determine whether the Unit has been sized correctly.
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	The motor current has exceeded 475% (i-Unit) for a time greater than 250ms
PNU Name	1302 Overload Trip	The Unit is attempting to start an application that is outside its rating with a "high current limit level" set
PNU Format		Refer to the overload trip curves to determine whether the Unit has been sized correctly and check current limit level.
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	The motor current has been higher than the "Shearpin Trip Level" for the trip time.
PNU Name	1401 Shearpin Trip	This trip is not active during soft start and soft stop and is "off" by default.
PNU Format		If Shearpin trip is not required turn "off" in "Trip Settings".
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	The PTC thermistor value has exceed the trip level.
PNU Name	1501 PTC Thermistor Trip	The PTC thermistor connected to the PTC input has exceeded it response temperature or the PTC input is open circuit.
PNU Format		If the PTC TRIP is not required turn "off" in "Trip Settings".
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>

PNU		Description
PNU Number	Trip Code Descriptions	Modbus RTU Communications failure
PNU Name	1701 Communications Trip	The command or status PNU has not been polled in the time set in the "Timeout" period
PNU Format		If the communication trip is disabled the Unit cannot be stopped in the communications fail
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	Modbus TCP Communications failure
PNU Name	1702 Communications Trip	The command or status PNU has not been polled in the time set in the "Timeout" period
PNU Format		If the communication trip is disabled the Unit cannot be stopped in the communications fail
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	Anybus Communications failure
PNU Name	1703 Communications Trip	The command or status PNU has not been polled in the time set in the "Timeout" period
PNU Format		If the communication trip is disabled the Unit cannot be stopped in the communications fail
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	Keypad Communications failure
PNU Name	1704 Communications Trip	The communications bus has failed or become inactive between the keypad and the main unit.
PNU Format		If the communication trip is disabled the Unit cannot be stopped in the communications fail
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	One or more of the internal bypass relays has failed to close
PNU Name	1801-1802 Bypass Relay Trip	The internal bypass relay has failed or the control supply is too weak.
PNU Format		Ensure 24VDC supply meets the requirements specified in the manual.
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>

PNU		Description
PNU Number	Trip Code Descriptions	One or more of the internal bypass relays has failed to open
PNU Name	1803 Bypass Relay Trip	The internal bypass relay has failed or the control supply is too weak.
PNU Format		Ensure 24VDC supply meets the requirements specified in the manual.
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	The remote start signal is active.
PNU Name	2001-2003 Remote Start is Enabled	The remote start signal was active during power up or Reset or Parameter Load.
PNU Format		Turn off remote or if Remote On trip is not required turn "off" in "Trip Settings"
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	The input phase rotation is RYB (L1-L2-L3)
PNU Name	2101 Rotation L1 L2 L3 Trip	The phase rotation is opposite to that required.
PNU Format		Change phase rotation or if "RYB" trip is not required turn "off" in trip settings.
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	The input phase rotation is RBY (L1-L3-L2)
PNU Name	2102 Rotation L1 L3 L2 Trip	The phase rotation is opposite to that required.
PNU Format		Change phase rotation or if "RBY" trip is not required turn "off" in trip settings.
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>
PNU Number	Trip Code Descriptions	Internal Unit Failure (MPU / Operation 4)
PNU Name	2201-2299 MPU Trip	The Unit has failed internally and is unable to recover automatically.
PNU Format		Cycle the control supply. If the fault is not cleared then contact the supplier
PNU Note	0	Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/>

PNU		Description
PNU Number	Trip Code Descriptions	<p>Current sensor failure</p> <p>One or more of the internal sensors used to measure current has failed or is reading a low value.</p> <p>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</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
PNU Name	2301-2303 Current Sensor Trip	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<p>Fail Safe operation (Operation 2)</p> <p>A process associated with the Main micro controller has been affected and is unable to recover automatically</p> <p>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</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
PNU Name	2401-2499 Operation 2 Trip	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<p>Fail Safe operation (Operation 1)</p> <p>A process associated with the Logging function has been affected and is unable to recover automatically</p> <p>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</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
PNU Name	2601-2699 Operation 1 Trip	
PNU Format		
PNU Note	0	
PNU Number	Trip Code Descriptions	<p>The Unit has failed internally and is unable to recover automatically.</p> <p>Cycle the control supply. If the fault is not cleared then contact the supplier</p> <p>Range <input type="text" value="-"/> Default <input type="text"/> Type <input type="button" value="Read Only"/></p>
PNU Name	2701-2799 MPU Trip	
PNU Format		
PNU Note	0	