

# 5

## Chapter 5: Operations Page



### Navigating the Operations Page

To navigate to the Operations Page, follow the steps below:

1. From the Home Page, press both the Up ▲ and Down ▼ keys for three seconds. **RI** will appear in the upper display and **OPER** will appear in the lower display.
2. Press the Up ▲ or Down ▼ key to view available menus.
3. Press the Advance Key ⏩ to enter the menu of choice.
4. If a submenu exists (more than one instance), press

the Up ▲ or Down ▼ key to select and then press the Advance Key ⏩ to enter.

5. Press the Up ▲ or Down ▼ key to move through available menu prompts.
6. Press the Infinity Key ∞ to move backwards through the levels: parameter to submenu; submenu to menu; menu to Home Page.
7. Press and hold the Infinity Key ∞ for two seconds to return to the Home Page.

On the following pages, top level menus are identified with a yellow background color.

#### Note:

Some of these menus and parameters may not appear, depending on the controller's options. See model number information in the Appendix for more information. If there is only one instance of a menu, no sub-menus will appear.

#### Note:

Some of the listed parameters may not be visible. Parameter visibility is dependent upon controller part number.

- RI** Analog Input Menu
  - RI** Analog Input Value
  - IE** Input Error
  - ICR** Calibration Offset
- LR** Linearization Menu
  - SUR** Source Value A
  - OFF** Offset
  - OU** Output Value
- PU** Process Value Menu
  - SUR** Source Value A
  - OFF** Offset
  - OU** Output Value
- DI** Digital Input/Output Menu
  - S** Digital Input/Output (5 to 6)
    - DO** Output State
    - DI** Input State
    - EI** Event State
- MON** Monitor Menu
  - CM** Control Mode Active
  - HP** Heat Power
  - CP** Cool Power
  - CLSP** Closed Loop Set Point
  - PUR** Process Value Active

- LOOP** Control Loop Menu
  - CM** Control Mode
  - RESP** Autotune Set Point
  - AUT** Autotune
  - CLSP** Closed Loop Set Point
  - IS** Idle Set Point
  - HPB** Heat Proportional Band
  - HHY** Heat Hysteresis
  - CPB** Cool Proportional Band
  - CHY** Cool Hysteresis
  - TI** Time Integral
  - TD** Time Derivative
  - DB** Dead Band
  - OSP** Open Loop Set Point

- ALM** Alarm Menu
  - I** Alarm 1 (1 to 4)
    - ALO** Alarm Low Set Point
    - AHI** Alarm High Set Point
    - ALCR** Alarm Clear Request
    - ASR** Alarm Silence Request
    - AST** Alarm State

- PSTA** Profile Status Menu
  - I** Profile Status (1 to 4)
    - PST** Profile Start
    - PACR** Profile Action Request
    - STEP** Step

- STYP** Step Type
- ESP1** Target Set Point Loop 1
- PLSP1** Produced Set Point 1
- hour** Hours
- min** Minutes
- SEC** Seconds
- ENT1** Event 1
- ENT2** Event 2
- JC** Jump Count Remaining

Operations Page

Display	Parameter Name Description	Range	Default	Modbus Relative Address	CIP Class Instance Attribute hex (dec)	Profibus Index	Parameter ID	Data Type & Read/Write
<div style="border: 1px solid black; padding: 2px;"> <span style="border: 1px solid black; padding: 1px;">A</span>,  <span style="border: 1px solid black; padding: 1px;">OPER</span> </div> <b>Analog Input Menu</b>								
<div style="border: 1px solid black; padding: 2px;"> <span style="border: 1px solid black; padding: 1px;">A</span>,  <span style="border: 1px solid black; padding: 1px;">[Ain]</span> </div>	<b>Analog Input (1)</b> <b>Analog Input Value</b> View the process value. <b>Note:</b> Ensure that the Input Error (below) indicates no error (61) when reading this value using a field bus protocol. If an error exists, the last known value prior to the error occurring will be returned.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 360 360 <b>Instance 2</b> <i>Map 1</i> <i>Map 2</i> 440 450	0x68 (104) 1 1	0	4001	float R
<div style="border: 1px solid black; padding: 2px;"> <span style="border: 1px solid black; padding: 1px;">iEr</span>  <span style="border: 1px solid black; padding: 1px;">[i.Er]</span> </div>	<b>Analog Input (1)</b> <b>Input Error</b> View the cause of the most recent error. If the <span style="border: 1px solid black; padding: 1px;">REtE</span> message is <span style="border: 1px solid black; padding: 1px;">Er.i</span> or <span style="border: 1px solid black; padding: 1px;">Er.iP</span> , this parameter will display the cause of the input error.	<span style="border: 1px solid black; padding: 1px;">nonE</span> None (61) <span style="border: 1px solid black; padding: 1px;">OPEN</span> Open (65) <span style="border: 1px solid black; padding: 1px;">FRIL</span> Fail (32) <span style="border: 1px solid black; padding: 1px;">SHrt</span> Shorted (127) <span style="border: 1px solid black; padding: 1px;">ErM</span> Measurement Error (140) <span style="border: 1px solid black; padding: 1px;">ECAL</span> Bad Calibration Data (139) <span style="border: 1px solid black; padding: 1px;">ERAB</span> Ambient Error (9) <span style="border: 1px solid black; padding: 1px;">ErEd</span> RTD Error (141) <span style="border: 1px solid black; padding: 1px;">NSrc</span> Not Sourced (246)	None	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 362 362 <b>Instance 2</b> <i>Map 1</i> <i>Map 2</i> 442 452	0x68 (104) 1 2	1	4002	uint R
<div style="border: 1px solid black; padding: 2px;"> <span style="border: 1px solid black; padding: 1px;">iCR</span>  <span style="border: 1px solid black; padding: 1px;">[i.CA]</span> </div>	<b>Analog Input (1)</b> <b>Calibration Offset</b> Offset the input reading to compensate for lead wire resistance or other factors that cause the input reading to vary from the actual process value.	-1,999.000 to 9,999.000°F or units -1,110.555 to 5,555.000°C	0.0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 382 382 <b>Instance 2</b> <i>Map 1</i> <i>Map 2</i> 462 472	0x68 (104) 1 0xC (12)	2	4012	float RWES
<div style="border: 1px solid black; padding: 2px;"> <span style="border: 1px solid black; padding: 1px;">Lnc</span>  <span style="border: 1px solid black; padding: 1px;">OPER</span> </div> <b>Linearization Menu</b>								
<div style="border: 1px solid black; padding: 2px;"> <span style="border: 1px solid black; padding: 1px;">SuA</span>  <span style="border: 1px solid black; padding: 1px;">[Su.A]</span> </div>	<b>Linearization (1)</b> <b>Source Value A</b> View the value of Source A. Source A of Linearization 1 is connected to Analog Input 1	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ----- 3566	0x86 (134) 1 4	----	34004	float R
<div style="border: 1px solid black; padding: 2px;"> <span style="border: 1px solid black; padding: 1px;">oFSE</span>  <span style="border: 1px solid black; padding: 1px;">[oFSt]</span> </div>	<b>Linearization (1)</b> <b>Offset</b> Set an offset to be applied to this function's output.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ----- 3570	0x86 (134) 1 6	----	34006	float RWES
<b>Note:</b> Some values will be rounded off to fit in the four-character display. Full values can be read with other interfaces.								R: Read W: Write E: EE-PROM S: User Set

Operations Page

Display	Parameter Name Description	Range	Default	Modbus Relative Address	CIP Class Instance Attribute hex (dec)	Pro-fibus Index	Parameter ID	Data Type & Read/Write
<input type="checkbox"/> <b>o.v</b> [ o.v]	<i>Linearization (1)</i> <b>Output Value</b> View the value of this function's output.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ---- 3572	0x86 (134) 1 7	----	34007	float R
No Display	<i>Linearization (1)</i> <b>Output Error</b> View reported cause for Linearization output malfunction.	None (61) Open (65) Shorted (127) Measurement error (140) Bad calibration data (139) Ambient error (9) RTD error (14) Fail (32) Math error (1423) Not sourced (246) Stale (1617) Can't process (1659)	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ---- 3614	0x86 (134) 1 0x1C (28)	----	34028	uint R
<input type="checkbox"/> <b>Pu</b> <input type="checkbox"/> <b>oPEr</b> <b>Process Value Menu</b>								
<input type="checkbox"/> <b>SuP</b> [ Sv.A]	<i>Process Value (1)</i> <b>Source Value A</b> View the value of Source A. Linearization 1 is connected to Source A of Process Value 1	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ---- 3310	0x7E (126) 1 0x10 (16)	----	26016	float R
<input type="checkbox"/> <b>oFSt</b> [oFSt]	<i>Process Value (1)</i> <b>Offset</b> Set an offset to be applied to this function's output.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ---- 3324	0x7E (126) 1 0x17 (23)	----	26023	float RWES
<input type="checkbox"/> <b>o.v</b> [ o.v]	<i>Process Value (1)</i> <b>Output Value</b> View the value of this function block's output.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ---- 3322	0x7E (126) 1 0x16 (22)	----	26022	float R
No Display	<i>Process Value (1)</i> <b>Output Error</b> View reported cause for Process output malfunction.	None (61) Open (65) Shorted (127) Measurement error (140) Bad calibration data (139) Ambient error (9) RTD error (14) Fail (32) Math error (1423) Not sourced (246) Stale (1617) Can't process (1659)	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ---- 3332	0x86 (134) 1 to 2 0x1B (27)	----	26027	uint R
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<div style="border: 1px solid black; padding: 2px;"> <span style="border: 1px solid black; padding: 1px;">d.o</span>  <span style="border: 1px solid black; padding: 1px;">oPEr</span>  <b>Digital Input/Output Menu</b> </div>								
<span style="border: 1px solid black; padding: 1px;">doS</span> [ do.S]	<i>Digital Output (5 to 6)</i> <b>Output State</b> View the state of this output.	<span style="border: 1px solid black; padding: 1px;">oFF</span> Off (62) <span style="border: 1px solid black; padding: 1px;">oN</span> On (63)	----	<b>Instance 1</b> <i>Map 1 Map 2</i> 1012 1132 Offset to next instance equals +30	0x6A (106) 1 to 2 7	90	6007	uint R
<span style="border: 1px solid black; padding: 1px;">diS</span> [ di.S]	<i>Digital Input (5 to 6)</i> <b>Input State</b> View this event input state.	<span style="border: 1px solid black; padding: 1px;">oFF</span> Off (62) <span style="border: 1px solid black; padding: 1px;">oN</span> On (63)	----	<b>Instance 1</b> <i>Map 1 Map 2</i> 1020 1140 Offset to next instance equals +30	0x6A (106) 5 to 6 0xB (11)	----	6011	uint R
<span style="border: 1px solid black; padding: 1px;">EiS</span> [ Ei.S]	<i>Digital Input (5 to 6)</i> <b>Event Status</b> View this event input state.	<span style="border: 1px solid black; padding: 1px;">iRcE</span> Inactive (41) <span style="border: 1px solid black; padding: 1px;">RcE</span> Active (5)	----	<b>Instance 1</b> <i>Map 1 Map 2</i> 1328 1568 Offset to next instance equals +20	0x6E (110) 1 to 2 5	140	10005	uint R
No Display	<i>EZ-Key/s (1 to 2)</i> <b>Event Status</b> View this event input state.	<span style="border: 1px solid black; padding: 1px;">iRcE</span> Inactive (41) <span style="border: 1px solid black; padding: 1px;">RcE</span> Active (5)	----	<b>Instance 1</b> <i>Map 1 Map 2</i> 1368 1608 <b>Instance 2</b> <i>Map 1 Map 2</i> ---- 1628	0x6E (110) 3 to 4 5	140	10005	uint R
<div style="border: 1px solid black; padding: 2px;"> <span style="border: 1px solid black; padding: 1px;">MnOn</span>  <span style="border: 1px solid black; padding: 1px;">oPEr</span>  <b>Monitor Menu</b> </div>								
<span style="border: 1px solid black; padding: 1px;">CMA</span> [ C.MA]	<i>Monitor (1)</i> <b>Control Mode Active</b> View the current control mode.	<span style="border: 1px solid black; padding: 1px;">oFF</span> Off (62) <span style="border: 1px solid black; padding: 1px;">Auto</span> Auto (10) <span style="border: 1px solid black; padding: 1px;">MnOn</span> Manual (54)	Off	<b>Instance 1</b> <i>Map 1 Map 2</i> 1882 2362	0x97 (151) 1 2	----	8002	uint R
<span style="border: 1px solid black; padding: 1px;">hPr</span> [ h.Pr]	<i>Monitor (1)</i> <b>Heat Power</b> View the current heat output level.	0.0 to 100.0%	0.0	<b>Instance 1</b> <i>Map 1 Map 2</i> 1904 2384	0x97 (151) 1 0xD (13)	----	8011	float R
<span style="border: 1px solid black; padding: 1px;">CPr</span> [ C.Pr]	<i>Monitor (1)</i> <b>Cool Power</b> View the current cool output level.	-100.0 to 0.0%	0.0	<b>Instance 1</b> <i>Map 1 Map 2</i> 1906 2386	0x97 (151) 1 0xE (14)	----	8014	float R
<span style="border: 1px solid black; padding: 1px;">CSP</span> [ C.SP]	<i>Monitor (1)</i> <b>Closed Loop Set Point</b> View the set point currently in effect.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	----	<b>Instance 1</b> <i>Map 1 Map 2</i> 2172 2652	0x6B (107) 1 7	----	8029	float R
<span style="border: 1px solid black; padding: 1px;">PvA</span> [ Pv.A]	<i>Monitor (1)</i> <b>Process Value Active</b> View the current filtered process value using the control input.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	----	<b>Instance 1</b> <i>Map 1 Map 2</i> 402 402	0x68 (104) 1 0x16 (22)	----	8031	float R
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No Display	<i>Monitor (1)</i> <b>Set Point Active</b> Read the current active set point.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C		<b>Instance 1</b> <i>Map 1</i> 2172 <i>Map 2</i> 2652	0x6B (107) 1 7	----	7018	float R
No Display	<i>Monitor (1)</i> <b>Autotune Status</b> Read the present status of Autotune.	Off (62) Waiting for cross 1 positive (119) Waiting for cross 1 negative (120) Waiting for cross 2 positive (121) Waiting for cross 2 negative (122) Waiting for cross 3 positive (123) Waiting for cross 3 negative (150) Measuring maximum peak (151) Measuring minimum peak (152) Calculating (153) Complete (18) Timeout (118)		<b>Instance 1</b> <i>Map 1</i> 1932 <i>Map 2</i> 2412	0x97 (151) 1 27	----	8027	uint R
<b>Loop</b> <b>OPER</b> <b>Control Loop Menu</b>								
<input type="checkbox"/> <b>C.M</b> [ C.M]	<i>Control Loop (1)</i> <b>Control Mode</b> Select the method that this loop will use to control.	<input type="checkbox"/> <b>OFF</b> Off (62) <input type="checkbox"/> <b>AUTO</b> Auto (10) <input type="checkbox"/> <b>MAN</b> Manual (54)	Auto	<b>Instance 1</b> <i>Map 1</i> 1880 <i>Map 2</i> 2360	0x97 (151) 1 1	63	8001	uint RWES
<input type="checkbox"/> <b>A.tSP</b> [A.tSP]	<i>Control Loop (1)</i> <b>Autotune Set Point</b> Set the set point that the autotune will use, as a percentage of the current set point.	50.0 to 200.0%	90.0	<b>Instance 1</b> <i>Map 1</i> 1998 <i>Map 2</i> 2398	0x97 (151) 1 0x14 (20)	----	8025	float RWES
<input type="checkbox"/> <b>AUT</b> [ AUT]	<i>Control Loop (1)</i> <b>Autotune</b> Start an autotune. While the autotune is active, the Home Page will display <b>AUT</b> <b>Running</b> . When the autotune is complete, the message will clear automatically.	<input type="checkbox"/> <b>NO</b> No (59) <input type="checkbox"/> <b>YES</b> Yes (106)	No	<b>Instance 1</b> <i>Map 1</i> 1920 <i>Map 2</i> 2400	0x97 (151) 1 0x15 (21)	64	8026	uint RW
<input type="checkbox"/> <b>C.SP</b> [ C.SP]	<i>Control Loop (1)</i> <b>Closed Loop Set Point</b> Set the set point that the controller will automatically control to.	Low Set Point to High Set Point (Setup Page)	75.0°F or units 24.0°C	<b>Instance 1</b> <i>Map 1</i> 2160 <i>Map 2</i> 2640	0x6B (107) 1 1	49	7001	float RWES
<input type="checkbox"/> <b>id.S</b> [ id.S]	<i>Control Loop (1)</i> <b>Idle Set Point</b> Set a closed loop set point that can be triggered by an event state.	Low Set Point to High Set Point (Setup Page)	75.0°F or units 24.0°C	<b>Instance 1</b> <i>Map 1</i> 2176 <i>Map 2</i> 2656	0x6B (107) 1 9	50	7009	float RWES
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<b>hPb</b> [ h.Pb]	<i>Control Loop (1)</i> <b>Heat Proportional Band</b> Set the PID proportional band for the heat outputs.	0.001 to 9,999.000°F or units 0.001 to 5,555.000°C	25.0°F or units 14.0°C	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1890 2370	0x97 (151) 1 6	65	8009	float RWES
<b>hHy</b> [ h.hy]	<i>Control Loop (1)</i> <b>Heat Hysteresis</b> Set the control switching hysteresis for on-off control. This determines how far into the “on” region the process value needs to move before the output turns on.	0.001 to 9,999.000°F or units 0.001 to 5,555.000°C	3.0°F or units 2.0°C	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1900 2380	0x97 (151) 1 0xB (11)	66	8010	float RWES
<b>Cpb</b> [ C.Pb]	<i>Control Loop (1)</i> <b>Cool Proportional Band</b> Set the PID proportional band for the cool outputs.	0.001 to 9,999.000°F or units 0.001 to 5,555.000°C	25.0°F or units 14.0°C	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1892 2372	0x97 (151) 1 7	67	8012	float RWES
<b>CHy</b> [ C.hy]	<i>Control Loop (1)</i> <b>Cool Hysteresis</b> Set the control switching hysteresis for on-off control. This determines how far into the “on” region the process value needs to move before the output turns on.	0.001 to 9,999.000°F or units 0.001 to 5,555.000°C	3.0°F or units 2.0°C	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1902 2382	0x97 (151) 1 0xC (12)	68	8013	float RWES
<b>tI</b> [ ti]	<i>Control Loop (1)</i> <b>Time Integral</b> Set the PID integral for the outputs.	0 to 9,999 seconds per repeat	180.0 seconds per repeat	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1894 2374	0x97 (151) 1 8	69	8006	float RWES
<b>tD</b> [ td]	<i>Control Loop (1)</i> <b>Time Derivative</b> Set the PID derivative time for the outputs.	0 to 9,999 seconds	0.0 seconds	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1896 2376	0x97 (151) 1 9	70	8007	float RWES
<b>db</b> [ db]	<i>Control Loop (1)</i> <b>Dead Band</b> Set the offset to the proportional band. With a negative value, both heating and cooling outputs are active when the process value is near the set point. A positive value keeps heating and cooling outputs from fighting each other.	-1,000.0 to 1,000.0°F or units -556 to 556°C	0.0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1898 2378	0x97 (151) 1 0xA (10)	71	8008	float RWES
<b>oSP</b> [ o.SP]	<i>Control Loop (1)</i> <b>Open Loop Set Point</b> Set a fixed level of output power when in manual (open-loop) mode.	-100 to 100% (heat and cool) 0 to 100% (heat only) -100 to 0% (cool only)	0.0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 2162 2642	0x6B (107) 1 2	51	7002	float RWES
No Display	<i>Control Loop (1)</i> <b>Loop Error</b> Open Loop detect deviation has been exceeded.	None (61) Open Loop (1274) Reversed Sensor (1275)	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ---- 1798	0x6C (108) 1 0x30 (48)	----	8030	uint R
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No Display	<i>Control Loop (1)</i> <b>Clear Loop Error</b> Current state of limit output.	Clear (129) Ignore (204)	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ---- 1800	0x6C (108) 1 0x31 (49)	----	8031	uint W
No Display	<i>Control Loop (1)</i> <b>Loop Output Power</b> View the loop output power.	-100.0 to 100.0	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1908 2388	0x97 (151) 1 0x0F (15)	----	8033	float R
<div style="border: 1px solid black; padding: 5px;"> <p><b>ALP7</b> <b>oPEr</b></p> <p><b>Alarm Menu</b></p> </div>								
<input type="checkbox"/> <b>ALo</b> [A.Lo]	<i>Alarm (1 to 4)</i> <b>Alarm Low Set Point</b> If Alarm Type (Setup Page, Alarm Menu) is set to: <b>process</b> - set the process value that will trigger a low alarm. <b>deviation</b> - set the span of units from the closed loop set point that will trigger a low alarm. A negative set point represents a value below closed loop set point. A positive set point represents a value above closed loop set point.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	32.0°F or units 0.0°C	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1482 1882  Offset to next instance ( <i>Map 1</i> ) equals +50  Offset to next instance ( <i>Map 2</i> ) equals +60	0x6D (109) 1 to 4 2	18	9002	float RWES
<input type="checkbox"/> <b>Ah</b> [A.hi]	<i>Alarm (1 to 4)</i> <b>Alarm High Set Point</b> If Alarm Type (Setup Page, Alarm Menu) is set to: <b>process</b> - set the process value that will trigger a high alarm. <b>deviation</b> - set the span of units from the closed loop set point that will trigger a high alarm.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	300.0°F or units 150.0°C	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1480 1880  Offset to next instance ( <i>Map 1</i> ) equals +50  Offset to next instance ( <i>Map 2</i> ) equals +60	0x6D (109) 1 to 4 1	19	9001	float RWES
No Displayed	<i>Alarm (1 to 4)</i> <b>Alarm State</b> Current state of alarm	Startup (88) None (61) Blocked (12) Alarm low (8) Alarm high (7) Error (28)	None	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1496 1896  Offset to next instance [Map1 +50], [Map 2 +60]	0x6D (109) 1 to 4 9	----	9009	uint R
<p><b>Note:</b> Some values will be rounded off to fit in the four-character display. Full values can be read with other interfaces.</p>								R: Read W: Write E: EE-PROM S: User Set

Operations Page

Display	Parameter Name Description	Range	Default	Modbus Relative Address	CIP Class Instance Attribute hex (dec)	Pro-fibus Index	Parameter ID	Data Type & Read/Write
No Displayed	<i>Alarm (1 to 4)</i> <b>Alarm Clearable</b> Current state of alarm	No (59) Yes (106)	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1502   1902  Offset to next instance (Map1 1 equals +50, <i>Map 2</i> equals +60)	0x6D (109) 1 to 4 0xC (12)	----	9012	uint R
No Displayed	<i>Alarm (1 to 4)</i> <b>Alarm Clear Request</b> Write to this register to clear an alarm	Clear (1003)	0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1504   1904  Offset to next instance (Map1 1 equals +50, <i>Map 2</i> equals +60)	0x6D (109) 1 to 4 0xD (13)	----	9013	uint W
No Displayed	<i>Alarm (1 to 4)</i> <b>Alarm Silence Request</b> Write to this register to silence an alarm	Silence (1010)	0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1506   1906  Offset to next instance (Map1 1 equals +50, <i>Map 2</i> equals +60)	0x6D (109) 1 to 4 0xE (14)	----	9014	uint W
No Displayed	<i>Alarm (1 to 4)</i> <b>Alarm Silenced</b> Write to this register to silence an alarm	Yes (106) No (59)	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1500   1900  Offset to next instance (Map1 1 equals +50, <i>Map 2</i> equals +60)	0x6D (109) 1 to 4 0xB (11)	----	9011	uint R
No Displayed	<i>Alarm (1 to 4)</i> <b>Alarm Latched</b> Write to this register to silence an alarm	Yes (106) No (59)	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 1498   1898  Offset to next instance (Map1 1 equals +50, <i>Map 2</i> equals +60)	0x6D (109) 1 to 4 0xA (10)	----	9010	uint R
<b>Note:</b> Some values will be rounded off to fit in the four-character display. Full values can be read with other interfaces.								R: Read W: Write E: EE-PROM S: User Set



### Operations Page

Display	Parameter Name Description	Range	Default	Modbus Rela- tive Address	CIP Class Instance Attribute hex (dec)	Pro- fibus Index	Param- eter ID	Data Type & Read/ Write
<b>PSER</b> <b>OPER</b> <b>Profile Status Menu</b>  Profile Menu appears if: (PM _ [R, B*, N, E*] _ _ _ _ _ _ _ _ _ _ )				* Available with PM8/9 only * Some parameters in the Profile Status Menu can be changed for the currently running profile, but should only be changed by knowledgeable personnel and with caution. Changing parameters via the Profile Status Menu will not change the stored profile but will have an immediate impact on the profile that is running. Changes made to profile parameters in the Profiling Pages will be saved and will also have an immediate impact on the running profile.				
<b>PSER</b> [P.Str]	<b>Profile Status Profile Start</b> Select step to act upon.	1 to 40	1	<b>Instance 1</b> Map 1    Map 2 2520    4340	0x7A (122) 1 1	204	22001	uint RW
<b>PACR</b> [PACr]	<b>Profile Status Action Request</b>	<b>none</b> None (61) <b>SEEP</b> Step Start (89) <b>End</b> Terminate (148) <b>RESU</b> Resume (147) <b>PAUS</b> Pause (146) <b>PROF</b> Profile (77)	None	<b>Instance 1</b> Map 1    Map 2 2540    4360	0x7A (122) 1 0xB (11)	205	22011	uint RW
<b>SEEP</b> [StP]	<b>Profile Status Step</b> View the currently running step.	1 to 40	0 (none)	<b>Instance 1</b> Map 1    Map 2 2526    4346	0x7A (122) 1 4	----	22004	uint R
<b>SEYP</b> [S.typ]	<b>Profile Status Step Type</b> View the currently running step type.	<b>USEP</b> Unused Step (50) <b>End</b> End (27) <b>JL</b> Jump Loop (116) <b>CLoC</b> Wait For Time (1543) <b>UJbo</b> Wait For Both (210) <b>UJPr</b> Wait For Process (209) <b>UJF</b> Wait For Event (144) <b>SoRH</b> Soak (87) <b>t</b> Time (143) <b>RAEE</b> Rate (81)	----	<b>Instance 1</b> Map 1    Map 2 2544    4364	0x7A (122) 1 0xD (13)	----	22013	uint R
<b>ESPI</b> [tg.SP]	<b>Profile Status *Target Set Point Loop 1</b> View or change the target set point of the current step.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	0.0°F or units -18.0°C	<b>Instance 1</b> Map 1    Map 2 2542    4502	0x7A (122) 1 0xC (12)	----	22012	uint RW
<b>ACSP</b> [AC.SP]	<b>Profile Status Produced Set Point 1</b> Display the current set point, even if the profile is ramping.	-1,999.000 to 9,999.000°F or units -1,128.000 to 5,537.000°C	0.0°F or units -18.0°C	<b>Instance 1</b> Map 1    Map 2 ----    ----	----	----	22005	float R
<b>hoUr</b> [hoUr]	<b>Profile Status Hours</b> Step time remaining in hours.	0 to 99	0	<b>Instance 1</b> Map 1    Map 2 ----    4494	0x7A (122) 1 0x4E (78)	----	22078	uint RW
<b>Note:</b> Some values will be rounded off to fit in the four-character display. Full values can be read with other interfaces.								R: Read W: Write E: EE-PROM S: User Set

Operations Page

Display	Parameter Name Description	Range	Default	Modbus Relative Address	CIP Class Instance Attribute hex (dec)	Pro-fibus Index	Parameter ID	Data Type & Read/Write
<input type="checkbox"/> Min [ Min]	<i>Profile Status</i> <b>Minutes</b> Step time remaining in minutes.	0 to 59	0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ----   4492	0x7A (122) 1 0x4D (77)	----	22077	uint RW
<input type="checkbox"/> SEC [ SEC]	<i>Profile Status</i> <b>Seconds</b> Step time remaining in seconds.	0 to 59	0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> ----   4490	0x7A (122) 1 0x4C (76)	----	22076	uint RW
<input type="checkbox"/> Ent1 [Ent1]	<i>Profile Status</i> <b>Event 1</b> View or change the event output states.	<input type="checkbox"/> OFF Off (62) <input type="checkbox"/> ON On (63)	Off	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 2546   4512	0x7A (122) 1 0xE (14)	----	22014	uint RW
<input type="checkbox"/> Ent2 [Ent2]	<i>Profile Status</i> <b>Event 2</b> View or change the event output states.	<input type="checkbox"/> OFF Off (62) <input type="checkbox"/> ON On (63)	Off	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 2548   4514	0x7A (122) 1 0xF (15)	----	22015	uint RW
<input type="checkbox"/> JC [ JC]	<i>Profile Status</i> <b>Jump Count Remaining</b> View the jump counts remaining for the current loop. In a profile with nested loops, this may not indicate the actual jump counts remaining.	0 to 9,999	0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 2538   4358	0x7A (122) 1 0xA (10)	----	22010	uint R
No Display	<i>Profile Status</i> <b>Profile State</b> Read current Profile state.	off (62) Running (149) Pause (146)	----	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 2522   4342	0x7A (122) 1 2	----	22002	uint R
No Display	<i>Profile Status</i> <b>Current File</b> Indicates current file being executed.	1 to 4	0	<b>Instance 1</b> <i>Map 1</i> <i>Map 2</i> 2524   4344	0x7A (122) 1 3	----	22003	uint R
<b>Note:</b> Some values will be rounded off to fit in the four-character display. Full values can be read with other interfaces.								R: Read W: Write E: EE-PROM S: User Set