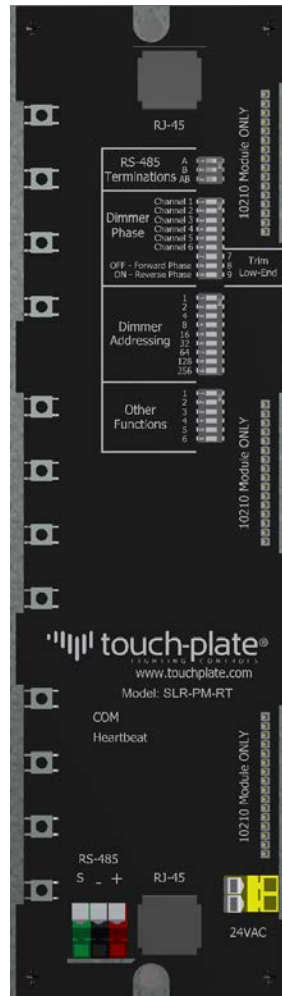


10216 Modbus System Integration



Supported Baud Rates: 9600, 19200, 38400

8 Data Bits, Even Parity, 1 Stop Bit

Modbus Specifications For Registers:

Description	Description	Registers
Model Number:	Input Register	60001
Hardware Revision:	Input Register	60002
Major Code Version:	Input Register	60003
Minor Code Version:	Input Register	60004
Max. System Relays:	Input Register	60005
Max. System Dimmers:	Input Register	60006
Max. System Scenes:	Input Register	60007
Max. System Inputs:	Input Register	60008
Max. System Pilots:	Input Register	60009

Modbus Registers: Description	Registers/Value	I/O Type	I/O Address																																												
Dimmers 1 to 6 Levels <ul style="list-style-type: none"> Shows current dimmer levels 	0 To 100 %	Holding Register	25001-25006																																												
Dimmer Action Notes: <ul style="list-style-type: none"> 3 registers are used for each dimmer. (I/O Address 1,2,3 = Dimmer 1, I/O Address 7,8,9 = Dimmer 3) All 24 registers must be block written. Commands: <ul style="list-style-type: none"> The 1st register is for the dimmer command. (i.e. ON, OFF, CYCLE, etc...) The 2nd register is unused, or for Dimmer Level %. The 3rd register is unused, or for Dimmer Rate in Seconds. <table border="0"> <tr> <td>NO ACTION</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>OFF</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>ON</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>CYCLE</td> <td style="text-align: center;">3</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>MAINTAIN NO</td> <td style="text-align: center;">4</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>MAINTAIN NC</td> <td style="text-align: center;">5</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>FLASH ON/OFF</td> <td style="text-align: center;">6</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>DIM UP</td> <td style="text-align: center;">12</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>DIM DOWN</td> <td style="text-align: center;">13</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td> </td> <td></td> <td></td> <td></td> </tr> <tr> <td>DIM TO</td> <td style="text-align: center;">14</td> <td style="text-align: center;">0 To 100</td> <td style="text-align: center;">0-29999</td> </tr> </table> <ul style="list-style-type: none"> If using the DIM UP or DIM DOWN command you can send a DIM TO with a Dimmer Level of -1 for a stop command. Ex: Send a DIM UP command for a button press, and send a DIM TO command with a level of -1 for dimmer level, and 0 for rate for the button release to stop the dimmer at the current level. 	NO ACTION	0	0	0	OFF	1	0	0	ON	2	0	0	CYCLE	3	0	0	MAINTAIN NO	4	0	0	MAINTAIN NC	5	0	0	FLASH ON/OFF	6	0	0	DIM UP	12	0	0	DIM DOWN	13	0	0	 				DIM TO	14	0 To 100	0-29999	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> 1st Reg. Value </div> <div style="text-align: center;"> 2nd Reg. Value </div> <div style="text-align: center;"> 3rd Reg. Value </div> </div>	Holding Register	20001-20024
NO ACTION	0	0	0																																												
OFF	1	0	0																																												
ON	2	0	0																																												
CYCLE	3	0	0																																												
MAINTAIN NO	4	0	0																																												
MAINTAIN NC	5	0	0																																												
FLASH ON/OFF	6	0	0																																												
DIM UP	12	0	0																																												
DIM DOWN	13	0	0																																												
DIM TO	14	0 To 100	0-29999																																												

Modbus Registers: Description	Registers/Value	I/O Type	I/O Address
Dimmer Action (Continued)			
Commands: (Continued)	1 st Reg. Value	2 nd Reg. Value	3 rd Reg. Value
Custom Commands: <ul style="list-style-type: none"> The 1st register is for the dimmer command. The 2nd register is unused. The 3rd register is a time value. Range is 1 to 65535 seconds. 			
AUTO OFF	20	0	1 to 65535
<ul style="list-style-type: none"> Turns Dimmer On, then turns it Off automatically after number of seconds in 3rd Reg. Value. If Relay is already in On state it remains On, and turns Off automatically after number of seconds in 3rd Reg. Value. 			
<ul style="list-style-type: none"> AUTO OFF WITH BLINK WARN (Blinks 1 minute before Turning off) 	21	0	65 to 65535
<ul style="list-style-type: none"> AUTO OFF WITH BLINK WARN (Blinks 2 minutes before Turning off) 	22	0	125 to 65535
<ul style="list-style-type: none"> AUTO OFF WITH BLINK WARN (Blinks 3 minutes before Turning off) 	23	0	185 to 65535
<ul style="list-style-type: none"> AUTO OFF WITH BLINK WARN (Blinks 4 minutes before Turning off) 	24	0	245 to 65535
<ul style="list-style-type: none"> AUTO OFF WITH BLINK WARN (Blinks 5 minutes before Turning off) 	25	0	305 to 65535
<ul style="list-style-type: none"> AUTO OFF WITH BLINK WARN (Blinks 6 minutes before Turning off) 	26	0	365 to 65535
<ul style="list-style-type: none"> AUTO OFF WITH BLINK WARN (Blinks 7 minutes before Turning off) 	27	0	425 to 65535
<ul style="list-style-type: none"> AUTO OFF WITH BLINK WARN (Blinks 8 minutes before Turning off) 	28	0	485 to 65535
<ul style="list-style-type: none"> AUTO OFF WITH BLINK WARN (Blinks 9 minutes before Turning off) 	29	0	545 to 65535
BLINK WARN AUTO OFF	30	0	5 to 65535
<ul style="list-style-type: none"> Blinks Dimmer Off 1 sec. then back On and then will turn Dimmer Off automatically after number of seconds in 3rd Reg. Value. Dimmer must be in On State. 			