

# PTL110S Pick-to-Light Device Register Map



## Holding Registers

### Holding Registers for Device Information

| Address without Offset | Address with Offset | Description                     | Holding Register Representation                                                     |
|------------------------|---------------------|---------------------------------|-------------------------------------------------------------------------------------|
| 1000                   | 1001                | Low word model number           | Example: 0x0002A734 (hex) = 173876 (dec)<br>High word = 0x0002<br>Low word = 0xA734 |
| 1001                   | 1002                | High word model number          |                                                                                     |
| 1002                   | 1003                | Model version (BCD)             |                                                                                     |
| 1003–1018              | 1004–1019           | Model name, string              |                                                                                     |
| 1019                   | 1020                | Low word configuration number   | Example: 0x00016D43 (hex) = 93507 (dec)<br>High word = 0x0001<br>Low word = 0x6D43  |
| 1020                   | 1021                | High word configuration number  |                                                                                     |
| 1021                   | 1022                | Configuration version (BCD)     |                                                                                     |
| 1022–1037              | 1023–1038           | Serial number/date code, string |                                                                                     |
| 1038–1053              | 1039–1054           | Serial number, string           |                                                                                     |

### Holding Registers for Outputs

Use these registers to differentiate sensor outputs or turn them off.

| Address without Offset | Address with Offset | Description                        | Holding Register Representation              | Default Value |
|------------------------|---------------------|------------------------------------|----------------------------------------------|---------------|
| 6000                   | 6001                | Touch sensor output (if present)   | 0 = Disabled<br>1 = Primary<br>2 = Secondary | 1             |
| 6001                   | 6002                | Touch sensor on delay (ms)         | 0–65535                                      | 0             |
| 6002                   | 6003                | Optical sensor output (if present) | 0 = Disabled<br>1 = Primary<br>2 = Secondary | 1             |
| 6003                   | 6004                | Optical sensor on delay (ms)       | 0–65535                                      | 0             |

### Holding Registers to Configure Modbus Communication

| Address without Offset | Address with Offset | Description                            | Holding Register Representation                                                                                                  | Default Value |
|------------------------|---------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6100                   | 6101                | Modbus physical slave ID of the device | 1–247                                                                                                                            | 1             |
| 6101                   | 6102                | Baud rate                              | 12 = 1200<br>24 = 2400<br>48 = 4800<br>96 = 9600<br>192 = 19200<br>384 = 38400<br>567 = 567000<br>1152 = 115200<br>2304 = 230400 | 192           |
| 6102                   | 6103                | Parity                                 | 0 = none<br>1 = odd<br>2 = even                                                                                                  | 0             |
| 6103                   | 6104                | Stop Bits                              | 1 = 1<br>2 = 2<br>3 = 1.5                                                                                                        | 1             |



## Holding Registers for Device-Specific Configuration

| Address without Offset | Address with Offset | Description                                                                    | Holding Register Representation                                                                                               | Default Value |
|------------------------|---------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6200                   | 6201                | Indicator intensity, basic mode only                                           | 0 = Low<br>1 = Standard<br>2 = High                                                                                           | 1             |
| 6201                   | 6202                | Device orientation (if display is present in the device)                       | 0 = Standard (touch sensor/indicator located on the right)<br>1 = Flipped (touch sensor/indicator located on the left)        | 0             |
| 6202                   | 6203                | Touch sensor sensitivity (if touch sensor is present in the device)            | 0 = Low<br>1 = Standard<br>2 = High                                                                                           | 1             |
| 6203                   | 6204                | Scrolling display settings (if display is present in the device)               | 0 = Off<br>1 = Enabled, slow speed<br>2 = Enabled, standard speed<br>3 = Enabled, high speed                                  | 2             |
| 6204                   | 6205                | Display startup message (if display is present in the device)                  | 0 = None<br>1 = Show Modbus settings (slave ID, baud, data bits, parity bit, stop bit)<br>2 = Show custom message (6400-6409) | 1             |
| 6205                   | 6206                | Custom startup message display time (ms) (if display is present in the device) | 0 through 65535 (65535 value is infinite)                                                                                     | 3000          |
| 6206                   | 6207                | First decimal place function (if display is present in the device)             | 0 = Off<br>1 = Steady on<br>2 = Flashing<br>3 = Communication<br>4 = Power+Communication<br>5 = Activation                    | 0             |
| 6207                   | 6208                | Second decimal place function (if display is present in the device)            | 0 = Off<br>1 = Steady on<br>2 = Flashing<br>3 = Communication<br>4 = Power+Communication<br>5 = Activation                    | 0             |
| 6208                   | 6209                | Third decimal place function (if display is present in the device)             | 0 = Off<br>1 = Steady on<br>2 = Flashing<br>3 = Communication<br>4 = Power+Communication<br>5 = Activation                    | 4             |
| 6209                   | 6210                | Display encoding for register 8703 (if display is present in the device)       | 0 = ASCII<br>1 = Decimal Numeric                                                                                              | 0             |

## Holding Registers to Configure State Mode

Refer to the Instruction Manual for a description of these settings.

| Address without Offset | Address with Offset | Description              | Holding Register Representation                                                                                                                                               | Default Value |
|------------------------|---------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6300                   | 6301                | Enable state mode        | 0 = Disabled<br>1 = Enabled                                                                                                                                                   | 0             |
| 6301                   | 6302                | Waiting State: Animation | 0 = Off<br>1 = Steady<br>2 = Flash<br>3 = Two Color Flash<br>4 = Half/Half Top/Bottom<br>5 = Half/Half Left/Right<br>6 = Half/Half Rotate<br>7 = Chase<br>8 = Intensity Sweep | 0             |

| Address without Offset | Address with Offset | Description                          | Holding Register Representation                                                                                                                                                                       | Default Value |
|------------------------|---------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6302                   | 6303                | Waiting State: Color 1               | 0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 0             |
| 6303                   | 6304                | Waiting State: Color 2               | 0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 0             |
| 6304                   | 6305                | Waiting State: Intensity for color 1 | 0 = High<br>1 = Medium<br>2 = Low<br>3 = Off                                                                                                                                                          | 1             |
| 6305                   | 6306                | Waiting State: Intensity for color 2 | 0 = High<br>1 = Medium<br>2 = Low<br>3 = Off                                                                                                                                                          | 1             |
| 6306                   | 6307                | Waiting State: Animation speed       | 0 = Slow<br>1 = Standard<br>2 = Fast                                                                                                                                                                  | 1             |
| 6307                   | 6308                | Waiting State: Animation pattern     | 0 = Normal<br>1 = Strobe<br>2 = 3-Pulse<br>3 = SOS<br>4 = Random                                                                                                                                      | 0             |
| 6308                   | 6309                | Waiting State: Animation direction   | 0 = Clockwise<br>1 = Counterclockwise                                                                                                                                                                 | 0             |
| 6309                   | 6310                | Waiting State: Visual on delay (ms)  | 0-65535                                                                                                                                                                                               | 0             |
| 6310                   | 6311                | Waiting State: Visual off delay (ms) | 0-65535                                                                                                                                                                                               | 0             |
| 6311                   | 6312                | Reserved                             | -                                                                                                                                                                                                     |               |
| 6312                   | 6313                | Mispick State: Animation             | 0 = Off<br>1 = Steady<br>2 = Flash<br>3 = Two Color Flash<br>4 = Half/Half Top/Bottom<br>5 = Half/Half Left/Right<br>6 = Half/Half Rotate<br>7 = Chase<br>8 = Intensity Sweep                         | 2             |

| Address without Offset | Address with Offset | Description                          | Holding Register Representation                                                                                                                                                                       | Default Value |
|------------------------|---------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6313                   | 6314                | Mispick State: Color 1               | 0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 0             |
| 6314                   | 6315                | Mispick State: Color 2               | 0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 0             |
| 6315                   | 6316                | Mispick State: Intensity for color 1 | 0 = High<br>1 = Medium<br>2 = Low<br>3 = Off                                                                                                                                                          | 0             |
| 6316                   | 6317                | Mispick State: Intensity for color 2 | 0 = High<br>1 = Medium<br>2 = Low<br>3 = Off                                                                                                                                                          | 0             |
| 6317                   | 6318                | Mispick State: Animation speed       | 0 = Slow<br>1 = Standard<br>2 = Fast                                                                                                                                                                  | 2             |
| 6318                   | 6319                | Mispick State: Animation pattern     | 0 = Normal<br>1 = Strobe<br>2 = 3-Pulse<br>4 = SOS<br>5 = Random                                                                                                                                      | 2             |
| 6319                   | 6320                | Mispick State: Animation direction   | 0 = Clockwise<br>1 = Counterclockwise                                                                                                                                                                 | 0             |
| 6320                   | 6321                | Mispick State: Visual on delay (ms)  | 0-65535                                                                                                                                                                                               | 0             |
| 6321                   | 6322                | Mispick State: Visual off delay (ms) | 0-65535                                                                                                                                                                                               | 3000          |
| 6322                   | 6323                | Reserved                             | -                                                                                                                                                                                                     |               |
| 6323                   | 6324                | Job State: Animation                 | 0 = Off<br>1 = Steady<br>2 = Flash<br>3 = Two Color Flash<br>4 = Half/Half Top/Bottom<br>5 = Half/Half Left/Right<br>6 = Half/Half Rotate<br>7 = Chase<br>8 = Intensity Sweep                         | 1             |

| Address without Offset | Address with Offset | Description                      | Holding Register Representation                                                                                                                                                                       | Default Value |
|------------------------|---------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6324                   | 6325                | Job State: Color 1               | 0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 1             |
| 6325                   | 6326                | Job State: Color 2               | 0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 0             |
| 6326                   | 6327                | Job State: Intensity for color 1 | 0 = High<br>1 = Medium<br>2 = Low<br>3 = Off                                                                                                                                                          | 1             |
| 6327                   | 6328                | Job State: Intensity for color 2 | 0 = High<br>1 = Medium<br>2 = Low<br>3 = Off                                                                                                                                                          | 1             |
| 6328                   | 6329                | Job State: Animation speed       | 0 = Slow<br>1 = Standard<br>2 = Fast                                                                                                                                                                  | 1             |
| 6329                   | 6330                | Job State: Animation pattern     | 0 = Normal<br>1 = Strobe<br>2 = 3-Pulse<br>3 = SOS<br>4 = Random                                                                                                                                      | 0             |
| 6330                   | 6331                | Job State: Animation direction   | 0 = Clockwise<br>1 = Counterclockwise                                                                                                                                                                 | 0             |
| 6331                   | 6332                | Job State: Visual on delay (ms)  | 0-65535                                                                                                                                                                                               | 0             |
| 6332                   | 6333                | Job State: Visual off delay (ms) | 0-65535                                                                                                                                                                                               | 0             |
| 6333                   | 6334                | Reserved                         | -                                                                                                                                                                                                     |               |
| 6334                   | 6335                | Acknowledge State: Animation     | 0 = Off<br>1 = Steady<br>2 = Flash<br>3 = Two Color Flash<br>4 = Half/Half Top/Bottom<br>5 = Half/Half Left/Right<br>6 = Half/Half Rotate<br>7 = Chase<br>8 = Intensity Sweep                         | 1             |

| Address without Offset | Address with Offset | Description                              | Holding Register Representation                                                                                                                                                                       | Default Value |
|------------------------|---------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6335                   | 6336                | Acknowledge State: Color 1               | 0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 2             |
| 6336                   | 6337                | Acknowledge State: Color 2               | 0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 0             |
| 6337                   | 6338                | Acknowledge State: Intensity for color 1 | 0 = High<br>1 = Medium<br>2 = Low<br>3 = Off                                                                                                                                                          | 1             |
| 6338                   | 6339                | Acknowledge State: Intensity for color 2 | 0 = High<br>1 = Medium<br>2 = Low<br>3 = Off                                                                                                                                                          | 1             |
| 6339                   | 6340                | Acknowledge State: Animation speed       | 0 = Slow<br>1 = Standard<br>2 = Fast                                                                                                                                                                  | 1             |
| 6340                   | 6341                | Acknowledge State: Animation pattern     | 0 = Normal<br>1 = Strobe<br>2 = 3-Pulse<br>3 = SOS<br>4 = Random                                                                                                                                      | 0             |
| 6341                   | 6342                | Acknowledge State: Animation direction   | 0 = Clockwise<br>1 = Counterclockwise                                                                                                                                                                 | 0             |
| 6342                   | 6343                | Acknowledge State: Visual on delay (ms)  | 0-65535                                                                                                                                                                                               | 0             |
| 6343                   | 6344                | Acknowledge State: Visual off delay (ms) | 0-65535                                                                                                                                                                                               | 1000          |
| 6344                   | 6345                | Reserved                                 | -                                                                                                                                                                                                     |               |
| 6345                   | 6346                | Secondary Acknowledge State: Animation   | 0 = Off<br>1 = Steady<br>2 = Flash<br>3 = Two Color Flash<br>4 = Half/Half Top/Bottom<br>5 = Half/Half Left/Right<br>6 = Half/Half Rotate<br>7 = Chase<br>8 = Intensity Sweep                         | 1             |

| Address without Offset | Address with Offset | Description                                        | Holding Register Representation                                                                                                                                                                       | Default Value |
|------------------------|---------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6346                   | 6347                | Secondary Acknowledge State: Color 1               | 0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 3             |
| 6347                   | 6348                | Secondary Acknowledge State: Color 2               | 0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 0             |
| 6348                   | 6349                | Secondary Acknowledge State: Intensity for color 1 | 0 = High<br>1 = Medium<br>2 = Low<br>3 = Off                                                                                                                                                          | 1             |
| 6349                   | 6350                | Secondary Acknowledge State: Intensity for color 2 | 0 = High<br>1 = Medium<br>2 = Low<br>3 = Off                                                                                                                                                          | 1             |
| 6350                   | 6351                | Secondary Acknowledge State: Animation speed       | 0 = Slow<br>1 = Standard<br>2 = Fast                                                                                                                                                                  | 1             |
| 6351                   | 6352                | Secondary Acknowledge State: Animation pattern     | 0 = Normal<br>1 = Strobe<br>2 = 3-Pulse<br>3 = SOS<br>4 = Random                                                                                                                                      | 0             |
| 6352                   | 6353                | Secondary Acknowledge State: Animation direction   | 0 = Clockwise<br>1 = Counterclockwise                                                                                                                                                                 | 0             |
| 6353                   | 6354                | Secondary Acknowledge State: Visual on delay (ms)  | 0-65535                                                                                                                                                                                               | 0             |
| 6354                   | 6355                | Secondary Acknowledge State: Visual off delay (ms) | 0-65535                                                                                                                                                                                               | 1000          |
| 6355                   | 6356                | Reserved                                           | -                                                                                                                                                                                                     |               |

## Holding Registers to Define a Custom Startup Message

| Address without Offset | Address with Offset | Description                                                          | Holding Register Representation | Default Value |
|------------------------|---------------------|----------------------------------------------------------------------|---------------------------------|---------------|
| 6400-6409              | 6401-6410           | Custom display startup message (if display is present in the device) |                                 |               |

## Holding Registers to Restore Factory Defaults

| Address without Offset | Address with Offset | Description                                                                                                                   | Holding Register Representation                                                                                                                                                  | Default Value |
|------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6600                   | 6601                | Restore factory defaults.<br>Set 6601 and 6602 to the correct key to initiate the selected factory reset type (hard or soft). | 0 = Disabled<br>1 = Enable a hard reset (restore all defaults)<br>2 = Enable a soft reset (restore all defaults except the Modbus communication settings in registers 6100-6103) | 0             |
| 6601                   | 6602                | Restore factory defaults key 1                                                                                                | 43690 = Enable                                                                                                                                                                   | 0             |
| 6602                   | 6603                | Restore factory defaults key 2                                                                                                | 21845 = Enable                                                                                                                                                                   | 0             |

## Holding Registers When Common ID is Active

| Address without Offset | Address with Offset | Description                                                                                                                                                                                                                                           | Holding Register Representation                                                              | Default Value |
|------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------|
| 7940                   | 7941                | Modbus slave ID of active device, same as register 6100                                                                                                                                                                                               |                                                                                              |               |
| 7941                   | 7942                | Device output latch register; values in this register will latch until acknowledged and cleared by the master (either by changing the value in this register or in register 8700) OR will clear after the timeout elapses as defined in register 8812 | 0 = None triggered<br>1 = Primary triggered<br>2 = Secondary triggered<br>3 = Both triggered |               |
| 7942                   | 7943                | Device output status; values in this register will reflect the real time status of the device's outputs                                                                                                                                               | 0 = None triggered<br>1 = Primary triggered<br>2 = Secondary triggered<br>3 = Both triggered |               |

## Main Holding Registers Used in Runtime

| Address without Offset | Address with Offset | Description                                                                                                                                                                                                                                               | Holding Register Representation                                                                                                                                                                                                                                                                                                                  | Default Value |
|------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 8700                   | 8701                | Device Job state, used in State Mode to designate a device as active (moves devices from Waiting State to Job State and vice versa) Any write to this register resets the device latch in Register 7941                                                   | 0 = Waiting State<br>1-65535 = Job State                                                                                                                                                                                                                                                                                                         | 0             |
| 8701                   | 8702                | Job animation Primary enumeration is active when device is in Basic Mode, value in register 6300 is 0 Secondary enumeration is active when device is in State Mode, value in register 6300 is 1. This value will then override the value in register 6323 | Primary Enumeration:<br>0 = Off<br>1 = Steady<br>2 = Flash<br>3 = Strobe<br>11-20 N-Pulse (N = Index - 10)<br>(e.g. 13 = 3 Pulse)<br><br>Secondary Enumeration:<br>0 = Off<br>1 = Steady<br>2 = Flash<br>3 = Two Color Flash<br>4 = Half/Half Top/Bottom<br>5 = Half/Half Left/Right<br>6 = Half/Half Rotate<br>7 = Chase<br>8 = Intensity Sweep | 0             |

| Address without Offset | Address with Offset | Description                                                                                                                                                                                                                                                                                                                                                                      | Holding Register Representation                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Default Value |
|------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 8702                   | 8703                | Job color Primary enumeration is active when device is in Basic Mode, value in register 6300 is 0 Secondary enumeration is active when device is in State Mode, value in register 6300 is 1. This value will then override the value in register 6324.                                                                                                                           | Primary Enumeration:<br>0 = Off<br>1 = Red<br>2 = Green<br>3 = Yellow<br>4 = Blue<br>5 = Magenta<br>6 = Cyan<br>7 = White<br>8 = Amber<br>9 = Rose<br>10 = Lime Green<br>11 = Orange<br>12 = Sky Blue<br>13 = Violet<br>14 = Spring Green<br><br>Secondary Enumeration:<br>0 = Red<br>1 = Green<br>2 = Yellow<br>3 = Blue<br>4 = Magenta<br>5 = Cyan<br>6 = White<br>7 = Amber<br>8 = Rose<br>9 = Lime Green<br>10 = Orange<br>11 = Sky Blue<br>12 = Violet<br>13 = Spring Green | 0             |
| 8703–8752              | 8704–8753           | Characters for the display Primary enumeration: null terminated ASCII string or numeric representation (defined in register 6209), each register holds 2 characters (i.e. 8703 holds values for characters 1 and 2 and 8752 holds values for characters 99 and 100 in the string) Secondary enumeration: decimal encoded, decimal value in the register will show on the display | Primary Enumeration: ASCII encoded 65535 = Blank display<br><br>Secondary Enumeration:<br>Decimal encoded 0–65534 = decimal shown on the display<br>65535 = Blank                                                                                                                                                                                                                                                                                                                |               |

## Common ID Configuration Holding Registers

| Address without Offset | Address with Offset | Description                                                                                                                         | Holding Register Representation   | Default Value |
|------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------|
| 8810                   | 8811                | Common ID                                                                                                                           | 1–247                             | 195           |
| 8811                   | 8812                | Global on delay that applies to both inputs (touch and optical sensor) (stacks on top of on delays in registers 6001 and 6003) (ms) | 0–65535 (65535 value is infinite) | 0             |
| 8812                   | 8813                | Latch timeout for 7941 (ms)                                                                                                         | 0–65535 (65535 value is infinite) | 1000          |
| 8813                   | 8814                | Minimum output on time for register 7942, off delay (ms)                                                                            | 0–65535 (65535 value is infinite) | 1000          |

## Input Holding Registers

| Address | Description                      | Input Register Representation | Default Value |
|---------|----------------------------------|-------------------------------|---------------|
| 300     | CPU Temperature C                |                               |               |
| 301     | Board Temperature C              |                               |               |
| 1000    | Low word firmware version        |                               |               |
| 1001    | High word firmware version       |                               |               |
| 1002    | Software version                 |                               |               |
| 2000    | Modbus Bus Message Count         |                               |               |
| 2001    | Modbus Bus Comm Error Count      |                               |               |
| 2002    | Modbus Bus Exception Error Count |                               |               |
| 2003    | Modbus Server Message Count      |                               |               |

| Address | Description                        | Input Register Representation | Default Value |
|---------|------------------------------------|-------------------------------|---------------|
| 2004    | Modbus Server NACK Count           |                               |               |
| 2005    | Modbus Bus Character Overrun Count |                               |               |
| 2006    | Modbus Bus Overrun Count           |                               |               |
| 2007    | Modbus Noise Error                 |                               |               |
| 2008    | Modbus Parity Error                |                               |               |
| 2009    | Modbus Frame Error                 |                               |               |
| 2010    | Modbus Crc Error                   |                               |               |
| 2011    | Modbus Illegal Function            |                               |               |
| 2012    | Modbus Illegal Data Address        |                               |               |
| 2013    | Modbus Illegal Data Value          |                               |               |
| 2014    | Modbus Device Failure              |                               |               |