## Holding Registers

## Holding Registers for Device Information

| Address without <br> Offset | Address with <br> Offset | Description | Holding Register Representation |
| :---: | :---: | :--- | :--- |
| 1000 | 1001 | Low word model number | Example: 0x0002A734 (hex) $=173876$ (dec) <br> High word $=0 \times 0002$ <br> Low word $=0 \times$ an734 |
| 1001 | 1002 | High word model number |  |
| 1002 | 1003 | Model version (BCD) | High word $=0 \times 0001$ <br> Low word $=0 \times 6$ D43 |
| $1003-1018$ | $1004-1019$ | Model name, string |  |
| 1019 | 1020 | Low word configuration number |  |
| 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 <br> Offset | Address with <br> 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 | $\begin{aligned} & 12=1200 \\ & 24=2400 \\ & 48=4800 \\ & 96=9600 \\ & 192=19200 \\ & 384=38400 \end{aligned}$ | 192 |
| 6102 | 6103 | Parity | $\begin{aligned} & 0=\text { none } \\ & 1=\text { odd } \\ & 2=\text { even } \end{aligned}$ | 0 |
| 6103 | 6104 | Stop Bits | $\begin{aligned} & 1=1 \\ & 2=2 \\ & 3=1.5 \end{aligned}$ | 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 | $\begin{aligned} & 0=\text { Low } \\ & 1=\text { Standard } \\ & 2=\text { High } \end{aligned}$ | 1 |
| 6201 | 6202 | Device orientation (if display is present in the device) | $0=$ Standard (touch sensor/indicator located on the right) 1 = Inverted (touch sensor/indicator located on the left) | 0 |
| 6202 | 6203 | Touch sensor sensitivity (if touch sensor is present in the device) | $\begin{aligned} & 0=\text { Low } \\ & 1=\text { Standard } \\ & 2=\text { High } \end{aligned}$ | 1 |
| 6203 | 6204 | Scrolling display settings (if display is present in the device) | $\begin{aligned} & 0=\text { Off } \\ & 1=\text { Enabled, slow speed } \\ & 2=\text { Enabled, standard speed } \\ & 3=\text { Enabled, high speed } \end{aligned}$ | 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) 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) | $\begin{aligned} & 0=\text { Off } \\ & 1=\text { Steady on } \\ & 2=\text { Flashing } \\ & 3=\text { Communication } \\ & 4=\text { Power+Communication } \\ & 5=\text { Activation } \end{aligned}$ | 0 |
| 6207 | 6208 | Second decimal place function (if display is present in the device) | $\begin{aligned} & 0=\text { Off } \\ & 1=\text { Steady on } \\ & 2=\text { Flashing } \\ & 3=\text { Communication } \\ & 4=\text { Power+Communication } \\ & 5=\text { Activation } \end{aligned}$ | 0 |
| 6208 | 6209 | Third decimal place function (if display is present in the device) | $\begin{aligned} & 0=\text { Off } \\ & 1=\text { Steady on } \\ & 2=\text { Flashing } \\ & 3=\text { Communication } \\ & 4=\text { Power+Communication } \\ & 5=\text { Activation } \end{aligned}$ | 4 |
| 6209 | 6210 | Display encoding for register 8703 (if display is present in the device) | $\begin{aligned} & 0=\text { ASCII } \\ & 1=\text { Decimal Numeric } \end{aligned}$ | 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 | $\begin{aligned} & 0=\text { Disabled } \\ & 1=\text { Enabled } \end{aligned}$ | 0 |
| 6301 | 6302 | Waiting State: Animation | $\begin{aligned} & 0=\text { Off } \\ & 1=\text { Steady } \\ & 2=\text { Flash } \\ & 3=\text { Two Color Flash } \\ & 4=\text { Half/Half Top/Bottom } \\ & 5=\text { Half/Half Left/Right } \\ & 6=\text { Half/Half Rotate } \\ & 7=\text { Chase } \\ & 8=\text { Intensity Sweep } \end{aligned}$ | 0 |


| Address without Offset | Address with Offset | Description | Holding Register Representation | Default Value |
| :---: | :---: | :---: | :---: | :---: |
| 6302 | 6303 | Waiting State: Color 1 | $\begin{aligned} & 0=\text { Red } \\ & 1=\text { Green } \\ & 2=\text { Yellow } \\ & 3=\text { Blue } \\ & 4=\text { Magenta } \\ & 5=\text { Cyan } \\ & 6=\text { White } \\ & 7=\text { Amber } \\ & 8=\text { Rose } \\ & 9=\text { Lime Green } \\ & 10=\text { Orange } \\ & 11=\text { Sky Blue } \\ & 12=\text { Violet } \\ & 13=\text { Spring Green } \end{aligned}$ | 0 |
| 6303 | 6304 | Waiting State: Color 2 | $\begin{aligned} & 0=\text { Red } \\ & 1=\text { Green } \\ & 2=\text { Yellow } \\ & 3=\text { Blue } \\ & 4=\text { Magenta } \\ & 5=\text { Cyan } \\ & 6=\text { White } \\ & 7=\text { Amber } \\ & 8=\text { Rose } \\ & 9=\text { Lime Green } \\ & 10=\text { Orange } \\ & 11=\text { Sky Blue } \\ & 12=\text { Violet } \\ & 13=\text { Spring Green } \end{aligned}$ | 0 |
| 6304 | 6305 | Waiting State: Intensity for color 1 | $\begin{aligned} & 0=\text { High } \\ & 1=\text { Medium } \\ & 2=\text { Low } \\ & 3=\text { Off } \end{aligned}$ | 1 |
| 6305 | 6306 | Waiting State: Intensity for color 2 | $\begin{aligned} & 0=\text { High } \\ & 1=\text { Medium } \\ & 2=\text { Low } \\ & 3=\text { Off } \end{aligned}$ | 1 |
| 6306 | 6307 | Waiting State: Animation speed | $\begin{aligned} & 0=\text { Slow } \\ & 1=\text { Standard } \\ & 2=\text { Fast } \end{aligned}$ | 1 |
| 6307 | 6308 | Waiting State: Animation pattern | $\begin{aligned} & 0=\text { Normal } \\ & 1=\text { Strobe } \\ & 2=3 \text {-Pulse } \\ & 3=\text { SOS } \\ & 4=\text { Random } \end{aligned}$ | 0 |
| 6308 | 6309 | Waiting State: Animation direction | $\begin{aligned} & 0=\text { Clockwise } \\ & 1=\text { Counterclockwise } \end{aligned}$ | 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 | $\begin{aligned} & 0=\text { Off } \\ & 1=\text { Steady } \\ & 2=\text { Flash } \\ & 3=\text { Two Color Flash } \\ & 4=\text { Half/Half Top/Bottom } \\ & 5=\text { Half/Half Left/Right } \\ & 6=\text { Half/Half Rotate } \\ & 7=\text { Chase } \\ & 8=\text { Intensity Sweep } \end{aligned}$ | 2 |


| Address without Offset | Address with Offset | Description | Holding Register Representation | Default Value |
| :---: | :---: | :---: | :---: | :---: |
| 6313 | 6314 | Mispick State: Color 1 | $\begin{aligned} & 0=\text { Red } \\ & 1=\text { Green } \\ & 2=\text { Yellow } \\ & 3=\text { Blue } \\ & 4=\text { Magenta } \\ & 5=\text { Cyan } \\ & 6=\text { White } \\ & 7=\text { Amber } \\ & 8=\text { Rose } \\ & 9=\text { Lime Green } \\ & 10=\text { Orange } \\ & 11=\text { Sky Blue } \\ & 12=\text { Violet } \\ & 13=\text { Spring Green } \end{aligned}$ | 0 |
| 6314 | 6315 | Mispick State: Color 2 | $\begin{aligned} & 0=\text { Red } \\ & 1=\text { Green } \\ & 2=\text { Yellow } \\ & 3=\text { Blue } \\ & 4=\text { Magenta } \\ & 5=\text { Cyan } \\ & 6=\text { White } \\ & 7=\text { Amber } \\ & 8=\text { Rose } \\ & 9=\text { Lime Green } \\ & 10=\text { Orange } \\ & 11=\text { Sky Blue } \\ & 12=\text { Violet } \\ & 13=\text { Spring Green } \end{aligned}$ | 0 |
| 6315 | 6316 | Mispick State: Intensity for color 1 | $\begin{aligned} & 0=\text { High } \\ & 1=\text { Medium } \\ & 2=\text { Low } \\ & 3=\text { Off } \end{aligned}$ | 0 |
| 6316 | 6317 | Mispick State: Intensity for color 2 | $\begin{aligned} & 0=\text { High } \\ & 1=\text { Medium } \\ & 2=\text { Low } \\ & 3=\text { Off } \end{aligned}$ | 0 |
| 6317 | 6318 | Mispick State: Animation speed | $\begin{aligned} & 0=\text { Slow } \\ & 1=\text { Standard } \\ & 2=\text { Fast } \end{aligned}$ | 2 |
| 6318 | 6319 | Mispick State: Animation pattern | $\begin{aligned} & 0=\text { Normal } \\ & 1=\text { Strobe } \\ & 2=3 \text {-Pulse } \\ & 4=\text { SOS } \\ & 5=\text { Random } \end{aligned}$ | 2 |
| 6319 | 6320 | Mispick State: Animation direction | $\begin{aligned} & 0=\text { Clockwise } \\ & 1=\text { Counterclockwise } \end{aligned}$ | 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 | $\begin{aligned} & 0=\text { Off } \\ & 1=\text { Steady } \\ & 2=\text { Flash } \\ & 3=\text { Two Color Flash } \\ & 4=\text { Half/Half Top/Bottom } \\ & 5=\text { Half/Half Left/Right } \\ & 6=\text { Half/Half Rotate } \\ & 7=\text { Chase } \\ & 8=\text { Intensity Sweep } \end{aligned}$ | 1 |


| Address without Offset | Address with Offset | Description | Holding Register Representation | Default Value |
| :---: | :---: | :---: | :---: | :---: |
| 6324 | 6325 | Job State: Color 1 | $\begin{aligned} & 0=\text { Red } \\ & 1=\text { Green } \\ & 2=\text { Yellow } \\ & 3=\text { Blue } \\ & 4=\text { Magenta } \\ & 5=\text { Cyan } \\ & 6=\text { White } \\ & 7=\text { Amber } \\ & 8=\text { Rose } \\ & 9=\text { Lime Green } \\ & 10=\text { Orange } \\ & 11=\text { Sky Blue } \\ & 12=\text { Violet } \\ & 13=\text { Spring Green } \end{aligned}$ | 1 |
| 6325 | 6326 | Job State: Color 2 | $\begin{aligned} & 0=\text { Red } \\ & 1=\text { Green } \\ & 2=\text { Yellow } \\ & 3=\text { Blue } \\ & 4=\text { Magenta } \\ & 5=\text { Cyan } \\ & 6=\text { White } \\ & 7=\text { Amber } \\ & 8=\text { Rose } \\ & 9=\text { Lime Green } \\ & 10=\text { Orange } \\ & 11=\text { Sky Blue } \\ & 12=\text { Violet } \\ & 13=\text { Spring Green } \end{aligned}$ | 0 |
| 6326 | 6327 | Job State: Intensity for color 1 | $\begin{aligned} & 0=\text { High } \\ & 1=\text { Medium } \\ & 2=\text { Low } \\ & 3=\text { Off } \end{aligned}$ | 1 |
| 6327 | 6328 | Job State: Intensity for color 2 | $\begin{aligned} & 0=\text { High } \\ & 1=\text { Medium } \\ & 2=\text { Low } \\ & 3=\text { Off } \end{aligned}$ | 1 |
| 6328 | 6329 | Job State: Animation speed | $\begin{aligned} & 0=\text { Slow } \\ & 1=\text { Standard } \\ & 2=\text { Fast } \end{aligned}$ | 1 |
| 6329 | 6330 | Job State: Animation pattern | $\begin{aligned} & 0=\text { Normal } \\ & 1=\text { Strobe } \\ & 2=3 \text {-Pulse } \\ & 3=\text { SOS } \\ & 4=\text { Random } \end{aligned}$ | 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 | $\begin{aligned} & 0=\text { Off } \\ & 1=\text { Steady } \\ & 2=\text { Flash } \\ & 3=\text { Two Color Flash } \\ & 4=\text { Half/Half Top/Bottom } \\ & 5=\text { Half/Half Left/Right } \\ & 6=\text { Half/Half Rotate } \\ & 7=\text { Chase } \\ & 8=\text { Intensity Sweep } \end{aligned}$ | 1 |


| Address without Offset | Address with Offset | Description | Holding Register Representation | Default Value |
| :---: | :---: | :---: | :---: | :---: |
| 6335 | 6336 | Acknowledge State: Color 1 | $\begin{aligned} & 0=\text { Red } \\ & 1=\text { Green } \\ & 2=\text { Yellow } \\ & 3=\text { Blue } \\ & 4=\text { Magenta } \\ & 5=\text { Cyan } \\ & 6=\text { White } \\ & 7=\text { Amber } \\ & 8=\text { Rose } \\ & 9=\text { Lime Green } \\ & 10=\text { Orange } \\ & 11=\text { Sky Blue } \\ & 12=\text { Violet } \\ & 13=\text { Spring Green } \end{aligned}$ | 2 |
| 6336 | 6337 | Acknowledge State: Color 2 | $\begin{aligned} & 0=\text { Red } \\ & 1=\text { Green } \\ & 2=\text { Yellow } \\ & 3=\text { Blue } \\ & 4=\text { Magenta } \\ & 5=\text { Cyan } \\ & 6=\text { White } \\ & 7=\text { Amber } \\ & 8=\text { Rose } \\ & 9=\text { Lime Green } \\ & 10=\text { Orange } \\ & 11=\text { Sky Blue } \\ & 12=\text { Violet } \\ & 13=\text { Spring Green } \end{aligned}$ | 0 |
| 6337 | 6338 | Acknowledge State: Intensity for color 1 | $\begin{aligned} & 0=\text { High } \\ & 1=\text { Medium } \\ & 2=\text { Low } \\ & 3=\text { Off } \end{aligned}$ | 1 |
| 6338 | 6339 | Acknowledge State: Intensity for color 2 | $\begin{aligned} & 0=\text { High } \\ & 1=\text { Medium } \\ & 2=\text { Low } \\ & 3=\text { Off } \end{aligned}$ | 1 |
| 6339 | 6340 | Acknowledge State: Animation speed | $\begin{aligned} & 0=\text { Slow } \\ & 1=\text { Standard } \\ & 2=\text { Fast } \end{aligned}$ | 1 |
| 6340 | 6341 | Acknowledge State: Animation pattern | $\begin{aligned} & 0=\text { Normal } \\ & 1=\text { Strobe } \\ & 2=3 \text {-Pulse } \\ & 3=\text { SOS } \\ & 4=\text { Random } \end{aligned}$ | 0 |
| 6341 | 6342 | Acknowledge State: Animation direction | $\begin{aligned} & 0=\text { Clockwise } \\ & 1=\text { Counterclockwise } \end{aligned}$ | 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 | $\begin{aligned} & 0=\text { Off } \\ & 1=\text { Steady } \\ & 2=\text { Flash } \\ & 3=\text { Two Color Flash } \\ & 4=\text { Half/Half Top/Bottom } \\ & 5=\text { Half/Half Left/Right } \\ & 6=\text { Half/Half Rotate } \\ & 7=\text { Chase } \\ & 8=\text { Intensity Sweep } \end{aligned}$ | 1 |


| Address without Offset | Address with Offset | Description | Holding Register Representation | Default Value |
| :---: | :---: | :---: | :---: | :---: |
| 6346 | 6347 | Secondary Acknowledge State: Color 1 | $\begin{aligned} & 0=\text { Red } \\ & 1=\text { Green } \\ & 2=\text { Yellow } \\ & 3=\text { Blue } \\ & 4=\text { Magenta } \\ & 5=\text { Cyan } \\ & 6=\text { White } \\ & 7=\text { Amber } \\ & 8=\text { Rose } \\ & 9=\text { Lime Green } \\ & 10=\text { Orange } \\ & 11=\text { Sky Blue } \\ & 12=\text { Violet } \\ & 13=\text { Spring Green } \end{aligned}$ | 3 |
| 6347 | 6348 | Secondary Acknowledge State: Color 2 | $\begin{aligned} & 0=\text { Red } \\ & 1=\text { Green } \\ & 2=\text { Yellow } \\ & 3=\text { Blue } \\ & 4=\text { Magenta } \\ & 5=\text { Cyan } \\ & 6=\text { White } \\ & 7=\text { Amber } \\ & 8=\text { Rose } \\ & 9=\text { Lime Green } \\ & 10=\text { Orange } \\ & 11=\text { Sky Blue } \\ & 12=\text { Violet } \\ & 13=\text { Spring Green } \end{aligned}$ | 0 |
| 6348 | 6349 | Secondary Acknowledge State: Intensity for color 1 | $\begin{aligned} & 0=\text { High } \\ & 1=\text { Medium } \\ & 2=\text { Low } \\ & 3=\text { Off } \end{aligned}$ | 1 |
| 6349 | 6350 | Secondary Acknowledge State: Intensity for color 2 | $\begin{aligned} & 0=\text { High } \\ & 1=\text { Medium } \\ & 2=\text { Low } \\ & 3=\text { Off } \end{aligned}$ | 1 |
| 6350 | 6351 | Secondary Acknowledge State: Animation speed | $\begin{aligned} & 0=\text { Slow } \\ & 1=\text { Standard } \\ & 2=\text { Fast } \end{aligned}$ | 1 |
| 6351 | 6352 | Secondary Acknowledge State: Animation pattern | $\begin{aligned} & 0=\text { Normal } \\ & 1=\text { Strobe } \\ & 2=3-\text { Pulse } \\ & 3=\text { SOS } \\ & 4=\text { Random } \end{aligned}$ | 0 |
| 6352 | 6353 | Secondary Acknowledge State: Animation direction | $\begin{aligned} & 0=\text { Clockwise } \\ & 1=\text { Counterclockwise } \end{aligned}$ | 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 for Test Mode

| Address without <br> Offset | Address with <br> Offset | Description | Holding Register Representation | Default Value |
| :---: | :---: | :--- | :--- | :---: |
| 6500 | 6501 | Enable test mode Indicator will flash blue and display will <br> show slave ID | $0=$ Off $1=$ Enabled | 0 |

## 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 <br> Offset | Address with <br> Offset | Description | Holding Register <br> Representation |
| :---: | :---: | :--- | :--- | :--- |
| 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 <br> acknowledged and cleared by the master (either by changing <br> the value in this register or in register 8700) OR will clear after <br> 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 <br> 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: $0=\mathrm{Off}$ <br> 1 = Steady <br> 2 = Flash <br> 3 = Strobe <br> 11-20 N-Pulse ( $\mathrm{N}=$ Index - 10) <br> (e.g. $13=3$ Pulse) | 0 |
|  |  |  | 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 |  |


| 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: $0=\mathrm{Off}$ <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> 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> Secondary Enumeration: Decimal encoded 0-65534 = decimal shown on the display 65535 = Blank |  |

## Common ID Configuration Holding Registers

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

Input Registers

| Address | Description | Input Register Representation | Default Value |
| :---: | :--- | :--- | :---: |
| 300 | CPU Temperature C |  |  |
| 301 | Board Temperature C |  |  |
| 2000 | Modbus Bus Message Count |  |  |
| 2001 | Modbus Bus Comm Error Count |  |  |
| 2002 | Modbus Bus Exception Error Count |  |  |
| 2003 | Mobus Server Message Count |  |  |
| 2004 | Modbus Server NACK Count |  |  |
| 2005 | Modbus Bus Character Overrun Count |  |  |
| 2006 | Modbus Bus Overrun Count |  |  |


| Address | Description | Input Register Representation | Default Value |
| :---: | :--- | :--- | :---: |
| 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 |  |  |

