

## Troubleshooting

If you have problems mounting, wiring, or addressing the I/O Flex 6126, contact OEMCtrl Technical Support.

### Communication LED's

The LED's indicate if the controller is speaking to the devices on the network. The LED's should reflect communication traffic based on the baud rate set. The higher the baud rate the more solid the LED's become.

| LEDs  | Status  |
|-------|---|
| Power | Lights when power is being supplied to the controller.<br><br><b>NOTE</b> The I/O Flex 6126 is protected by internal solid state Polyswitches on the incoming power and network connections. These Polyswitches are not replaceable and will reset themselves if the condition that caused the fault returns to normal. |
| Rx    | Lights when the controller receives data from the network segment; there is an Rx LED for Ports 1 and 2.  |
| Tx    | Lights when the controller transmits data to the network segment; there is an Rx LED for Ports 1 and 2.   |
| Run   | Lights based on controller health. See table below.   |
| Error | Lights based on controller health. See table below.   |

The **Run** and **Error** LED's indicate controller and network status.

| If Run LED shows...  | And Error LED shows...                                  | Status is...  |
|----------------------|---|---|
| 1 flash per second   | 1 flash per second, alternating with the <b>Run</b> LED | The controller files are archiving. Archive is complete when <b>Error</b> LED stops flashing. |
| 2 flashes per second | Off   | Normal  |
| 2 flashes per second | 2 flashes, alternating with <b>Run</b> LED              | Five minute auto-restart delay after system error   |
| 2 flashes per second | 3 flashes, then off                                     | The controller has just been formatted  |
| 2 flashes per second | On  | Two or more devices on this network have the same MS/TP network address                       |
| 2 flashes per second | 1 flash per second                                      | The controller is alone on the network  |

| If Run LED shows...   | And Error LED shows...                                 | Status is...   |
|-----------------------|--|--|
| 2 flashes per second  | On   | Exec halted after frequent system errors, due to: <ul style="list-style-type: none"> <li>• Controller halted</li> <li>• Program memory corrupted</li> <li>• Address conflicts - duplicate MS/TP MAC addresses</li> <li>• One or more programs stopped</li> </ul> |
| 5 flashes per second  | On   | Exec start-up aborted, Boot is running   |
| 5 flashes per second  | Off  | Firmware transfer in progress, Boot is running   |
| 7 flashes per second  | 7 flashes per second, alternating with <b>Run</b> LED  | Ten second recovery period after brownout  |
| 14 flashes per second | 14 flashes per second, alternating with <b>Run</b> LED | Brownout   |
| On                    | On   | Failure. Try the following solutions: <ul style="list-style-type: none"> <li>• Turn the I/O Flex 6126 off, then on.</li> <li>• Download memory to the I/O Flex 6126.</li> <li>• Replace the I/O Flex 6126.</li> </ul>  |

## Serial number

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If you need the I/O Flex 6126's serial number when troubleshooting, the number is on:

- a sticker on the back of the main controller board
- a Module Status report (modstat) from WebCTRL