

4I4O-ID

Installation Instructions



Description

The 4I4O-ID is a four input four supervised output device that allows you to connect up to four non-addressable devices to the PinPoint® system. The system provides flexible and reliable two-way communication between the device and the controller.

Mounting the Unit

1. Pull the wiring through the wire access opening in the unit base. See Figure 1.



CAUTION

You must be free of static electricity before handling sensor circuit boards. Touch a grounded, bare metal surface before touching circuit boards or wear a grounding strap.

2. Mount the base using the appropriate mounting holes.
3. Mount the metal bracket to the base.
4. Mount the circuit board to the metal bracket.
5. Connect the wires to the appropriate screw terminals on the circuit board and tighten the screws. See Figure 3.
6. Set the PinPoint address DIP switches. See Figure 2.

Note

Devices are shipped with DIP switches set to 255. This is an invalid address. **The device will not communicate with the control panel until a valid address has been set.**

Refer to the NX-2192 manual to determine the correct address setting for each unit.

7. Attach the unit lid to the base. See Figure 1.
8. Test the unit when the PinPoint system is completely installed and the control panel is powered.

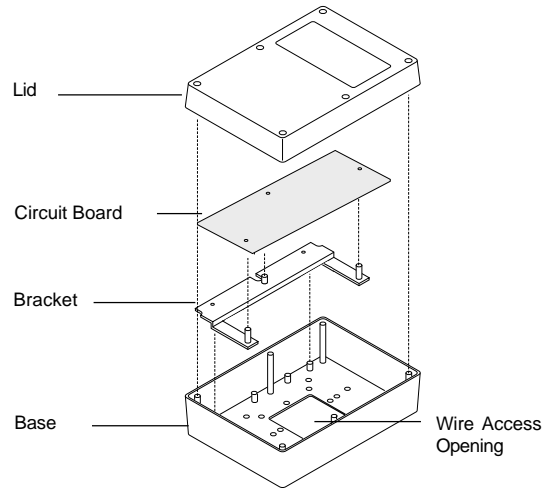


Figure 1. Exploded view

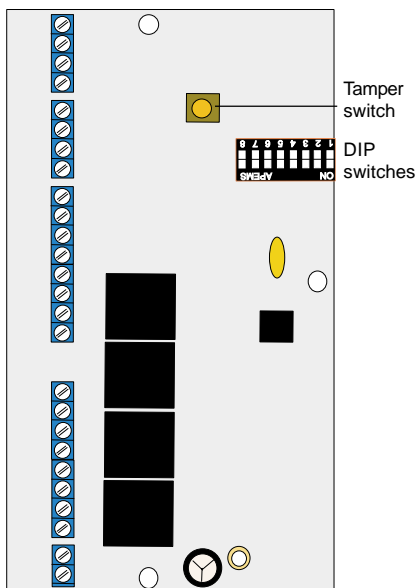


Figure 2. Circuit Board

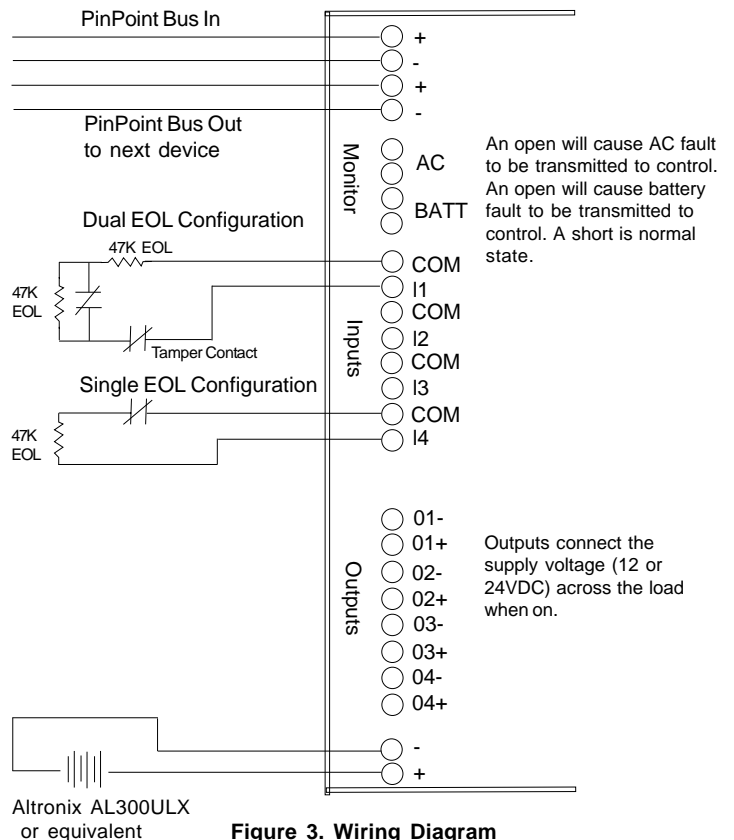


Figure 3. Wiring Diagram

Specifications

Housing material	Flame retardant ABS
Operating voltage	12/24 VDC
Signaling voltage	4V to 9V
Current draw	2.2A maximum
Recommended power supply	Altronix AL300ULX or equivalent
Output current	500mA maximum each at 12 or 24 VDC
Signaling current	20mA
Operating temperature	32 to 131°F (0 to 55°C)
Relative humidity	10 - 90% non-condensing
Maximum line length	10,000 feet (3km)
Dimensions:	
Width	6.8 inch (17.3cm)
Depth	2.0 inch (5.1cm)
Height	4.8 inch (12.2cm)
Color	White
Listings	UL365, UL 609, UL985, UL 1023, UL 1610, FCC
Inputs:	

Input Loop Resistance (47K EOL included)	Reported to panel
> 1Meg Ohm	Open
47K ± 5%	Single EOL
94K ± 5%	Double EOL
< 20 Ohm	Short

FCC Compliance

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- 1 This device may not cause harmful interference.
- 2 This device must accept any interference received, including interference that may cause undesired operation.

Product Ordering

Product	Description
4140-ID	An addressable 4 input and 4 supervised output interface that allows you to connect up to 4 non-addressable devices to the NX-2192 PinPoint Bus Interface.