



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.

Installation

1. Pull the wiring through the wire access opening in the unit base (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 (Figure 3).
6. Set the PinPoint address DIP switches (Figure 2). Devices are shipped with DIP switches set to 255. This is an invalid address. The device will no communicate with the controller until a valid address has been set. Refer to the controller's manual to determine the correct address setting for each unit.

Note The 4I4O-ID requires power to the DC IN terminals to operate and it will not enroll without power applied.

7. Attach the unit lid to the base (Figure 1).
8. Test the unit when the PinPoint system is completely installed and the controller is powered.

Figure 1. Exploded view

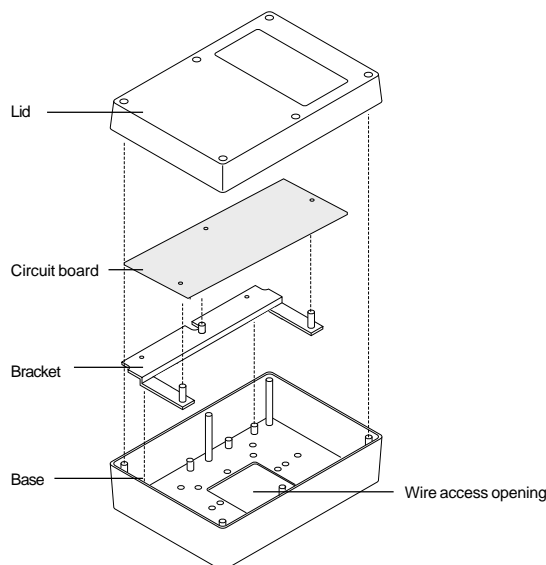


Figure 2. Circuit board

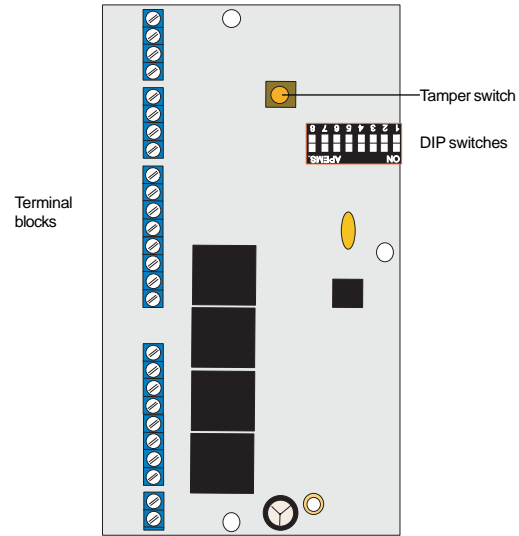
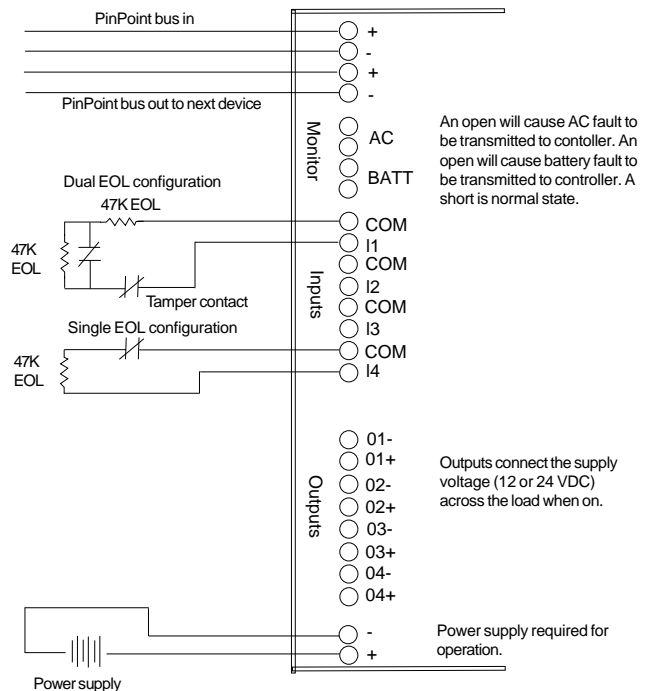


Figure 3. Wiring diagram



Specifications

Housing material	Flame retardant ABS
Operating voltage	12/24 VDC
Signaling voltage	4 to 9 V
Current draw	2.2A maximum
Recommended power supply	NX-320E (12V), Altronix AL300LX, 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 to 90% non-condensing
Maximum line length	10,000 feet (3 km)
Dimensions:	
	Width 6.8 in. (17.3 cm)
	Depth 2.0 in. (5.1 cm)
	Height 4.8 in. (12.2 cm)
Color	White
Listings	UL 365, UL 609, UL 985, UL 1023, UL 1610, FCC, CE

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 interferences that may cause undesired operation.

Product ordering

Product	Description
4I4O-ID	Addressable 4 input and 4 supervised output interface that allows you to connect up to 4 non-addressable devices to the PinPoint bus.