

# ANN-I/O LED Input/Output Module Product Installation Document

PN 151416-L8:D 3/27/2018 18-123

## 1 General

The ANN-I/O provides a way to customize a remote annunciator when used with a compatible addressable fire alarm control panel (FACP). This document is for quick reference. For more detailed information, refer to the FACP manual.

**NOTE:** Installation and wiring of this device must be done in accordance with NFPA 72 and local ordinances.

## 2 Specifications

ANN-BUS Operating Voltage	24 VDC	
Max. Current	Alarm	200 mA
	Standby	35 mA
	Each LED	10 mA
Operating Temperature	32° to 120° F (0° to 49° C)	
Max Wiring Distance from FACP	6,000 ft (1,829 m)	
Intended for Indoor Use in a Dry Location Only		

Table 1 ANN-I/O Specifications

## 3 Mounting the ANN-I/O Enclosure

The ANN-I/O comes in a plastic enclosure which must be mounted inside the annunciator or accessory cabinet.

To mount the ANN-I/O plastic enclosure into the appropriate cabinet:

1. Remove the ANN-I/O cover. Use a small screwdriver if necessary.
2. Remove the ANN-I/O circuit board from the base by pushing outward on the base snap retaining tabs and lifting out the circuit board.

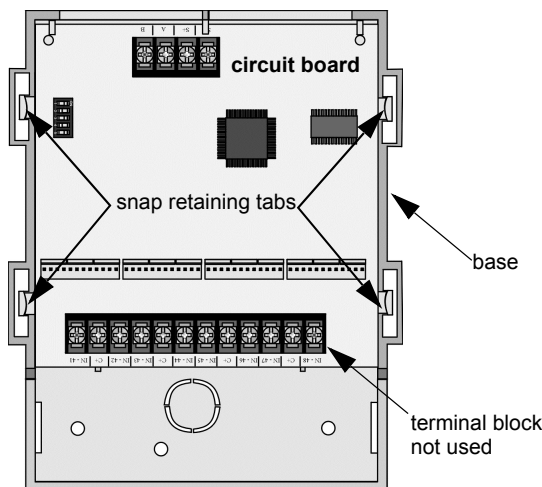


Figure 1 ANN-I/O Circuit Board And Plastic Base

3. Mount the plastic base into the appropriate accessory cabinet.
4. Replace the circuit board in the plastic base.

**NOTE:** It may be necessary to connect the wiring to the circuit board before the board is replaced into the base.

## 4 Wiring the ANN-I/O to the FACP

Terminate the wiring as shown in the diagram and table below. Note that wiring connections are supervised and power-limited.

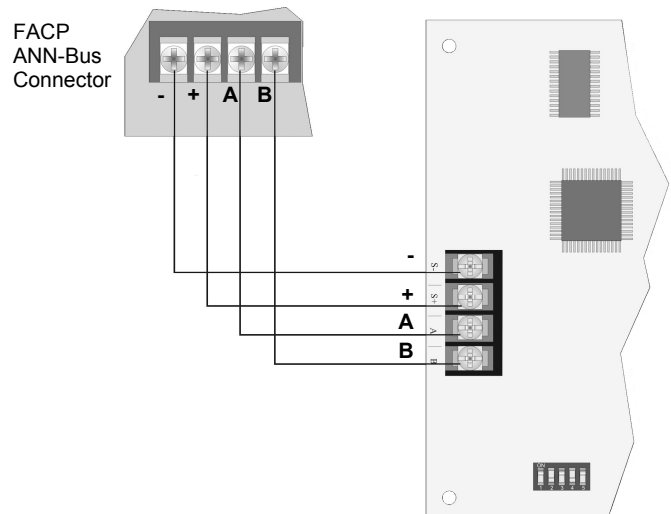


Figure 2 ANN-I/O Connection to the FACP

ANN-I/O Terminals	FACP Terminals (ANN-Bus Connector)
B	B
A	A
S+	PWR+
S-	GND-

Table 2 ANN-I/O to FACP Connections

## 5 Wiring the LED Outputs

The ANN-I/O has four 12-pin connectors (P/N 130092) used to connect LEDs. All LED outputs use a common pin on each connector for LED power (see figure below). Current is limited through each output so no series resistor is required.

Wire the LED outputs as shown in below. Note that Connectors P3 and P4 are wired the same as P2.

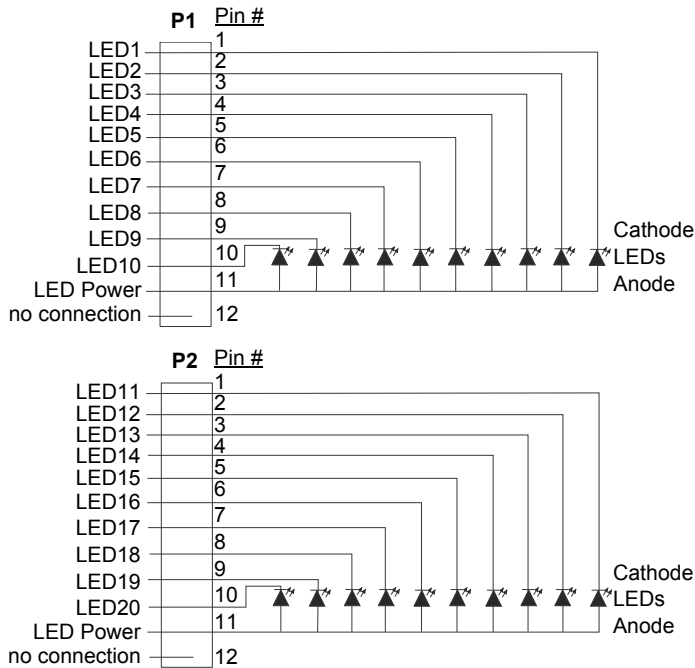


Figure 3 ANN-I/O LED Outputs

## 6 Setting the DIP Switches

Each ANN-I/O requires a unique ID number (SLC address) which is set using the DIP switches on the ANN-I/O circuit board. See the diagram below for DIP switch settings. *Note that address 0 is invalid and cannot be used.*

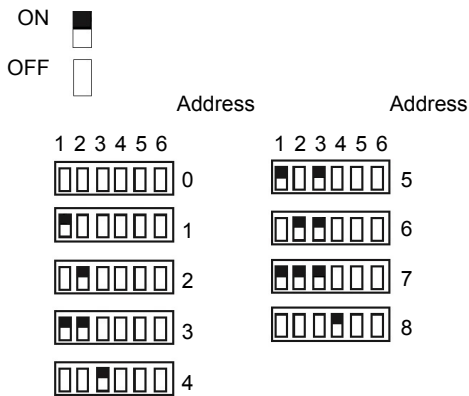


Figure 4 DIP Switch Settings