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## SD500-AIM Input Module and SD500-MIM Mini Input Module Installation Instructions

The following instructions are a quick reference guide, refer to the control panel installation manual P/N 151139, 151274, 151280, 151295, 151209, or 151302 for detailed system information.

### Wiring the SD500-AIM / MIM

**Note:** Installation and wiring of these devices must be done in accordance with NFPA 72 and local ordinances.

Terminate the wiring as shown in Table 1. See also Figure 1 or Figure 2

**Table 1: Wire Connections**

SD500-AIM SD500-MIM Terminals		To:	
		FACP or SLC Loop Terminals	Contact
SLC	-	SLC OUT	SC-
	+		
Contact	A out	CLASS A OR B	To N.O. Contact
	B out		To N.O. Contact
	A IN	CLASS A ONLY (SD500-AIM Only)	End of Loop A
	B IN		End of Loop B

### Specifications

Table 2 lists the operating specifications for the SD500-AIM and the SD500-MIM.

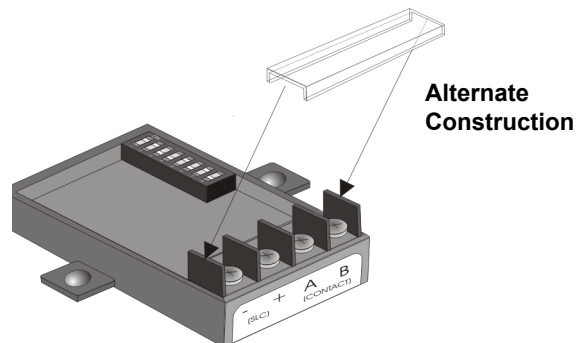
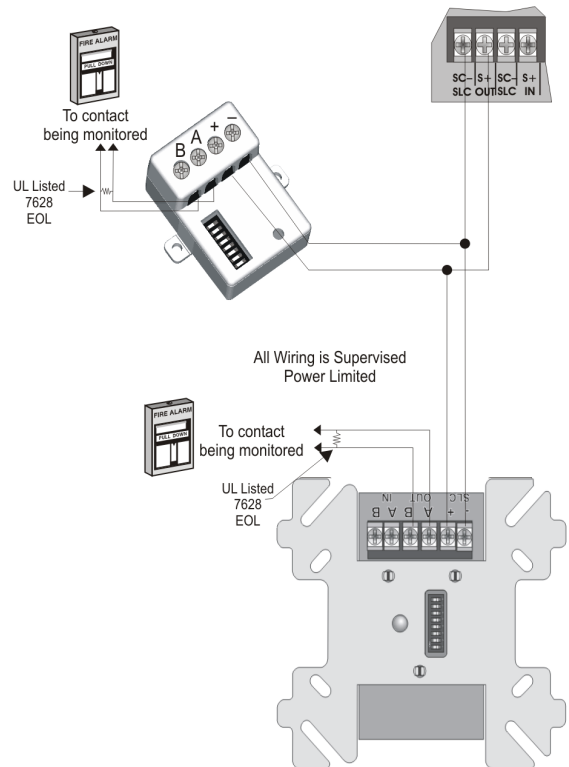
**Table 2: SD500-AIM and SD500-MIM Specifications**

Specifications		
Max. Line resistance		50Ω
Max. Alarm Current	One device in alarm 23mA. 46 mA for two devices in alarm.	.5 mA for each additional device in alarm.
Max. Voltage		33 V

**Table 2: SD500-AIM and SD500-MIM Specifications**

Specifications	
Operating Temperature	0° to 49° C (32° to 120° F)
Indoor use only	

Impedance for Earth Ground Fault is 0 Ω for all terminals.



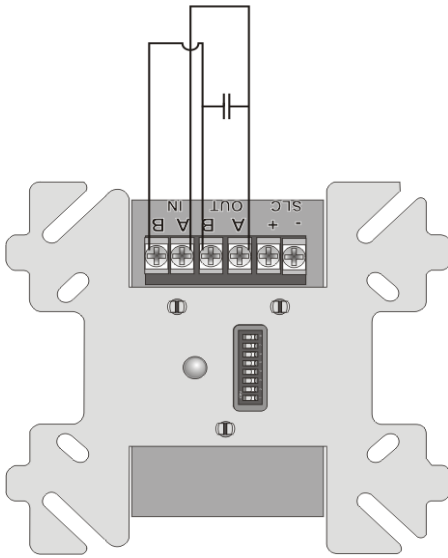


Figure 1: Class B Wiring the SD500-AIM & SD500-MIM

Figure 2: Class A Wiring the SD500-AIM

## Mounting the SD500-AIM

Mount the SD500-AIM into a double gang box as shown in Figure 3.

## Mounting the SD500-MIM

Install the SD500-MIM into a single gang box see Figure 1 and Figure 3.

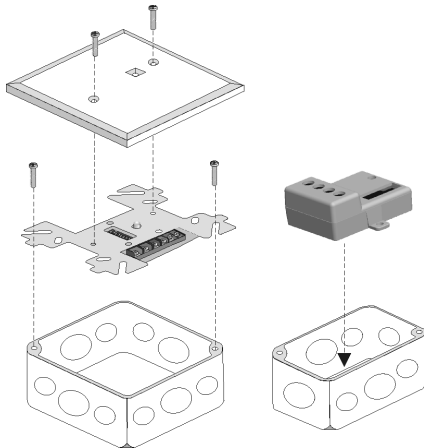
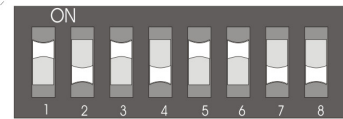
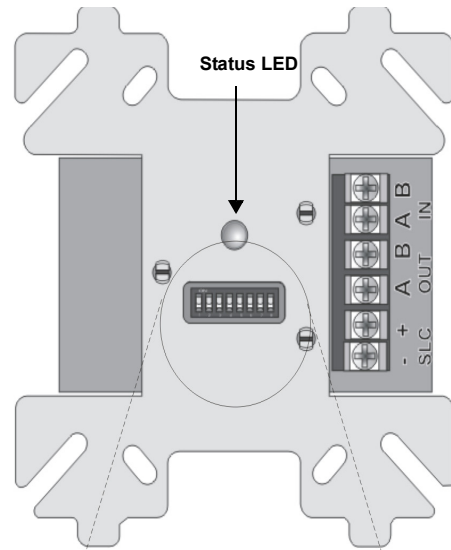


Figure 3: Mounting the SD500-AIM and SD500-MIM

## Setting the Devices Address

The range of valid addresses is 1 - 127 (0 is an invalid address). Refer to Figure 4 to set the dip



Add the values of the dip switches in the "ON" position to set the device address. The address in this example is 53. Switches 1, 3, 5 and 6 are "ON" having values of  $1 + 4 + 16 + 32 = 53$ . Dip switch 8 must remain in the **Off** position for proper module addressing.

switches to the desired address.

Figure 4: Setting the Device Address:

**Note:** The dip switch settings shown in Figure 4 apply to the SD500-MIM also.



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