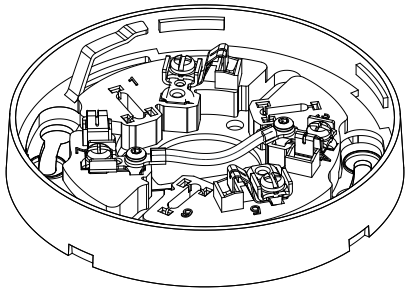
Signature Detector Standard Base Installation Sheet



Description

The Signature Detector Standard Base is used to connect Signature detectors to a signaling line circuit (SLC) and provides wiring terminals for connecting a SIGA-LED. Trim skirts are ordered separately.

Table 1: Models

Model	Description
SIGA-SB	Standard base, white
SIGA-SBB	Standard base, black

Installation

Caution: Risk of equipment damage. To prevent damage to the base, do not overtighten the base mounting screws or wire terminal screws. Refer to “Specifications” on page 2 for torque values.

Refer to Technical Bulletin P/N 270145 for location and spacing requirements.

To install the detector base:

1. Mount the detector base on a compatible electrical box using the screws provided with the electrical box.
2. Wire the base as shown in the “Wiring” section.
3. Write the address assigned to the detector on the label provided and apply the label to the inside rim of the base.
4. Use a trim skirt to finish the installation as needed.

Wiring

Caution: Risk of system failure. Electrical supervision requires that the wire run be broken at each terminal. Do not loop the field wires around the terminals.

Notes

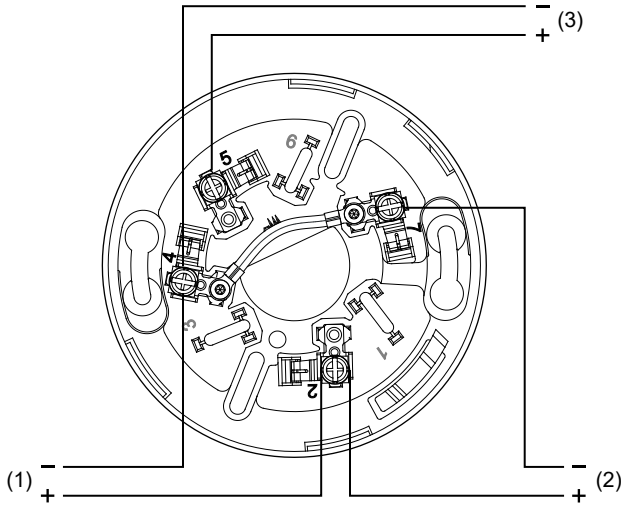
- Shielded wire is required only in environments with very high electrical noise.
- Shields, if used, must be continuous and insulated from ground.
- For Class B wiring, there is no shield connection to ground at the last device.

To wire the detector base:

1. Wire the detector base as shown in Figure 1.

   Break the wire run at each terminal. Do not loop the signaling line circuit field wires around the terminals.
2. Insulate the shield with electrical tape.

Figure 1: Wiring the detector base



(1) SLC IN from previous device.
(2) SLC OUT to next device.
(3) To SIGA-LED. Maximum resistance per wire is 10 Ω.

Table 2: Base terminals

Number	Description	Number	Description
1	Not used	4	Remote LED −
2	SLC IN/OUT +	5	Remote LED +
3	Not used	6	Not used
4	SLC IN −	7	SLC OUT −

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Specifications

Wire size	12 to 18 AWG (1.0 to 4.0 mm²) Sizes 16 and 18 AWG are preferred
Screw torque	
Base mounting	18 lbf-in (2.0 N·m) max.
Terminal	12 lbf-in (1.4 N·m) max.
Housing	
SIGA-SB	High-impact engineering polymer, white
SIGA-SBB	High-impact engineering polymer, black
Compatible detectors	Signature Series detectors
Trim skirts	SIGA-TS, SIGA-TSB, SIGA-TS4, TS4B
Compatible electrical boxes	North American single-gang box
	Octagon box 3-1/2 in. (89 mm) by 1-1/2 in. (38 mm) deep
	Octagon box 4 in. (102 mm) by 1-1/2 in. (38 mm) deep
	European single-gang box 75 mm with 60.3 mm fixing centers
	BESA box with 60.3 mm fixing centers
Operating environment	
Temperature	32 to 120°F (0 to 49°C)
Relative humidity	0 to 93% noncondensing

Regulatory information

North American standards	CAN/ULC-S529-09, UL 268, and UL 521

Contact information

For contact information, see www.edwardsfiresafety.com.

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