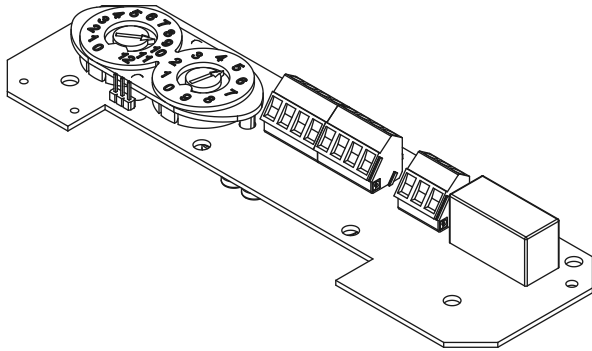


KIR-DDOSIB Replacement Interface Board Installation Sheet



Description

The KIR-DDOSIB replaces the interface board assembly in KIR-DDOS duct smoke detectors.

Installation

Install this device in accordance with applicable national and local codes, ordinances, and regulations.

WARNING: Electrocution hazard. To avoid personal injury or death from electrocution, remove all sources of power and allow stored energy to discharge before installing or removing equipment.

Cautions

- Risk of equipment damage. Circuit boards are sensitive to electrostatic discharge (ESD). To avoid damage, follow ESD handling procedures.
- Risk of equipment damage. Using excessive force to tighten screws may damage the product. Tighten screws firmly, but do not overtighten. Do not use power tools to tighten screws.

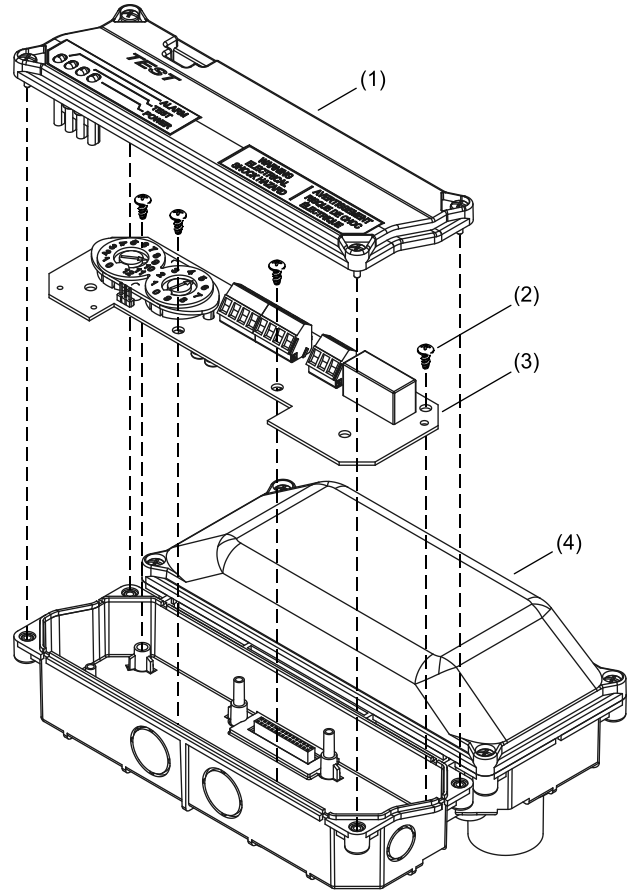
Note: You can replace the interface board while the duct smoke detector is attached to the HVAC duct.

To install the interface board assembly:

1. Unscrew the four captive screws on the interface board cover, and then remove the cover from the duct smoke detector. See Figure 1.
2. Tag the field wires, and then disconnect them from the terminal blocks.
3. Unscrew the four Plastite screws holding the interface board in place, and then remove the interface board.
4. Gently seat the new interface board into the duct smoke detector.
Make sure the interface board is fully seated before proceeding to the next step.

5. Using the four Plastite screws, secure the new interface board to the duct smoke detector.
6. Connect the field wires.
7. Using the four captive screws, secure the interface board cover to the duct smoke detector.
8. Test for proper operation. See *KIR-DDOS Intelligent Duct Smoke Detector Technical Bulletin* (P/N 3102782).

Figure 1: Assembly diagram



- (1) Interface board cover
- (2) Plastite screw (4X)
- (3) Interface board
- (4) Duct smoke detector



Specifications

Operating voltage	15.20 to 19.95 VDC
Operating current	
Standby	50 μ A
Alarm	60 μ A
Ground fault impedance	10 k Ω
Auxiliary relay	
Quantity	1
Operation	Zone/Programmable
Contact form	Form C
Contact rating	30 VDC, 3.0 A, 0.35 PF 120 VAC, 3.0 A, 0.35 PF 240 VAC, 1.5 A, 0.35 PF
Wire size	14 to 22 AWG (0.34 to 2.5 mm ²)
Screw torque	
Covers	6.0 +/- 0.5 in-lb (6.9 +/- 0.5 kgf cm)
Interface board	3.0 +/- 0.5 in-lb (3.5 +/- 0.5 kgf cm)
Operating environment	
Temperature	32 to 122°F (0 to 50°C)
Relative humidity	0 to 93% noncondensing
Storage temperature	32 to 122°F (0 to 50°C)

Contact information

For contact information, see www.kiddefx.kidde.com.