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## SK-Zone Interface Module

### SPECIFICATIONS

Normal Operating Voltage:	15 to 32 VDC
Maximum Current Draw:	5.1 mA (LED on)
Average Operating Current:	270µA (LED flashing)
EOL Resistance:	3.9K Ohms
Maximum IDC Wiring Resistance:	25 Ohms
External Supply Voltage (between Terminals T10 and T11)	
DC Voltage:	Regulated 24 VDC
Ripple Voltage:	0.1 Volts RMS maximum
Current:	90mA per module
Temperature Range:	32°F to 120°F (0°C to 49°C)
Humidity:	10% to 93% Non-condensing
Dimensions:	4 1/2" H × 4" W × 1 1/4" D (Mounts to a 4" square by 2 1/8" deep box.)
Accessories:	SMB500 Electrical Box

### BEFORE INSTALLING

This information is included as a quick reference installation guide. Refer to the control panel installation manual for detailed system information. If the modules will be installed in an existing operational system, inform the operator and local authority that the system will be temporarily out of service. Disconnect power to the control panel before installing the modules.

NOTICE: This manual should be left with the owner/user of this equipment.

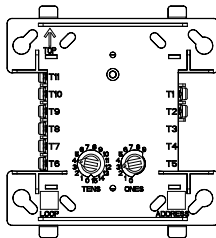
### GENERAL DESCRIPTION

The SK-Zone Interface Module is intended for use in intelligent, two-wire systems, where the individual address of each module is selected using the built-in rotary switches. This module allows intelligent panels to interface and monitor two-wire conventional smoke detectors. It transmits the status (normal, open, or alarm) of one full zone of conventional detectors back to the control panel. All two-wire detectors being monitored must be UL compatible with this module.

### COMPATIBILITY REQUIREMENTS

To ensure proper operation, this module shall be connected to a compatible Silent Knight system control panel only (list available from Silent Knight).

### FIGURE 1. CONTROLS AND INDICATORS:



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### MOUNTING

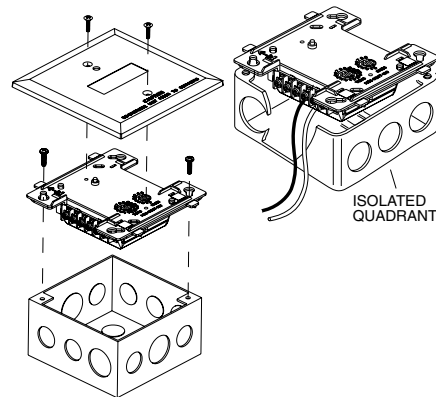
The SK-Zone mounts directly to 4-inch square electrical boxes (see Figure 2). The box must have a minimum depth of 2 1/8 inches. Surface mounted electrical boxes (SMB500) are available from Silent Knight

### WIRING

NOTE: All wiring must conform to applicable local codes, ordinances, and regulations. This module is intended for power-limited wiring only.

1. Install module wiring in accordance with the job drawings and appropriate wiring diagrams.
2. Set the address on the module per job drawings.
3. Secure module to electrical box (supplied by installer), as shown in Figure 2.

### FIGURE 2. MODULE MOUNTING:



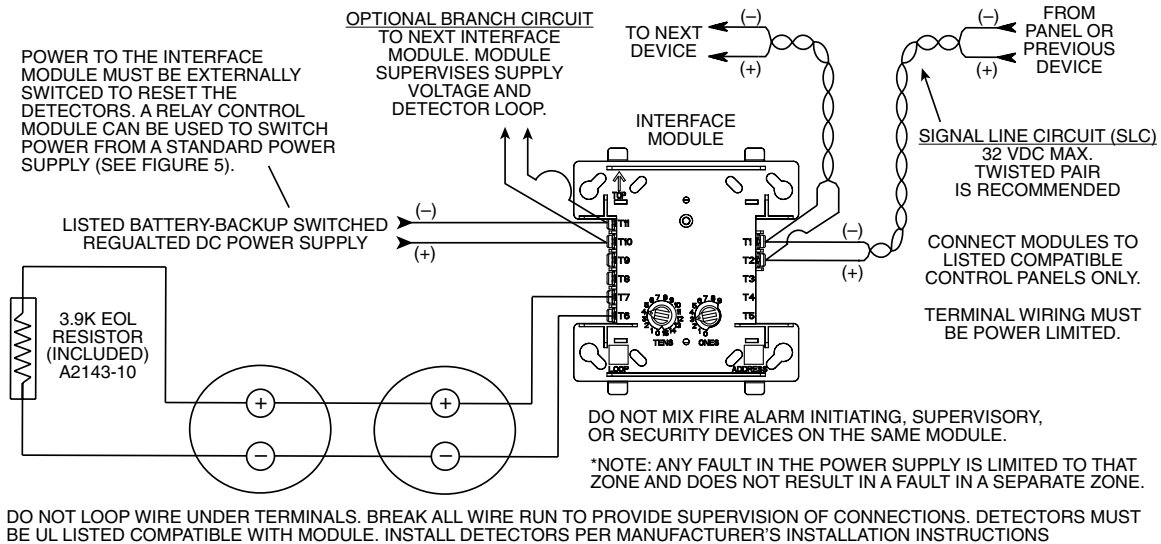
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### COMPATIBLE TWO-WIRE SYSTEM SENSOR SMOKE DETECTORS FOR USE WITH SK-ZONE INTERFACE MODULE WITH ZONE IDENTIFIER A:

Detector Model	Compatibility ID	Detector Type	Base Model	Base Identifier	Max Detectors
1451	A	Ionization	B401/B	A	20
2451	A	Photoelectric	B401/B	A	20
2451TH	A	Photoelectric with Thermal	B401/B	A	20
1400	A	Ionization	N/A	—	20
2400	A	Photoelectric	N/A	—	20
2400TH	A	Photoelectric with Thermal	N/A	—	20
1100	A	Ionization	N/A	—	20
1151	A	Ionization	B110LP/B401	A	20
2100	A	Photoelectric	N/A	—	20
2100T	A	Photoelectric with Thermal	N/A	—	20
2151	A	Photoelectric	B110LP/B401	A	20

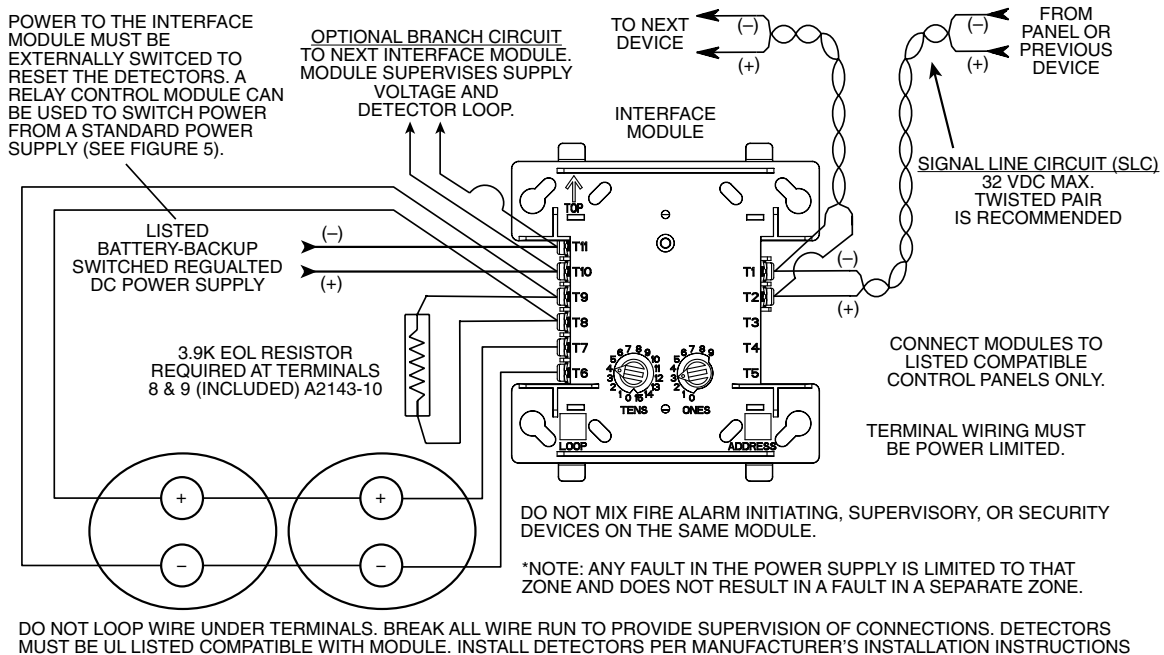
\*Used in combination with MTL isolator model MTL3043.

**FIGURE 3. INTERFACE TWO-WIRE CONVENTIONAL DETECTORS, NFPA STYLE B:**



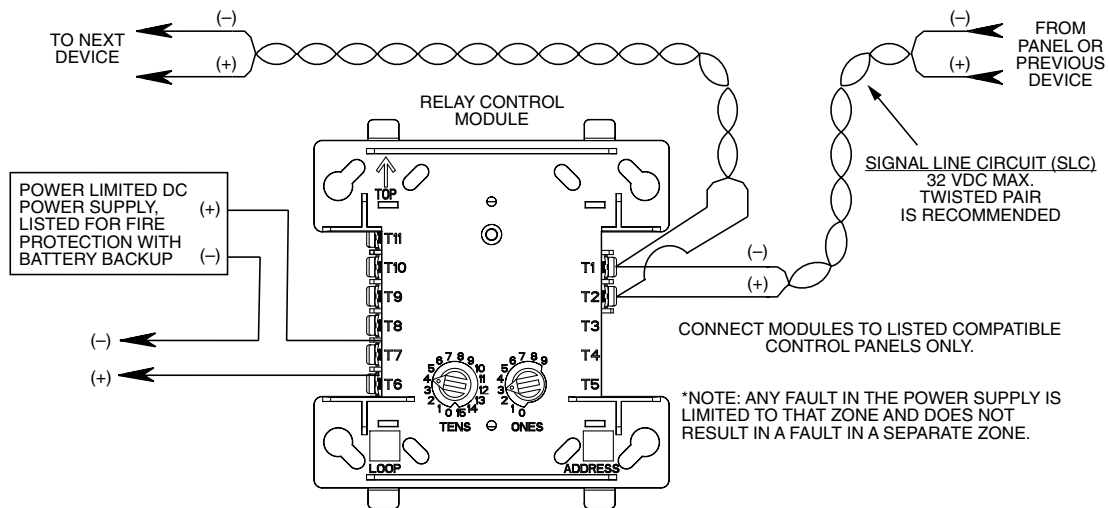
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**FIGURE 4. INTERFACE TWO-WIRE CONVENTIONAL DETECTORS, NFPA STYLE D:**



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**FIGURE 5. RELAY CONTROL MODULE USED TO DISCONNECT A POWER SUPPLY:**



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