

FEATURES:

1. Can be placed at any location on S-SC line (Polling Loop).
2. Checks the line for short circuit at power ON. If a line is normal, the relay will be turned on. If a line short is detected, the relay remains open.
3. Indication of short circuit by a yellow LED.

OPERATION:

* CLASS A CONFIGURATION WIRING

The FWC-FSLC-ISO short circuit isolator should be located between any devices on the S-SC line. In the event of a short on the S-SC line, the two adjacent isolators (closest isolators to the left and right of the shorted section) will activate and their respective LED indicators will be turned on. All devices between the active short circuit isolators will be dead. This will prevent entire loop failure. Upon removal of the short condition, the FWC-FSLC-ISO's will automatically restore the entire loop to the normal operating state.

** CLASS B CONFIGURATION WIRING

The FWC-FSLC-ISO short circuit isolator should be located between any devices on the S-SC line. In the event of a short on the S-SC line, an isolator closest to the shorted section will activate and the LED will be turned on. All the devices beyond the shorted section will be disabled. Upon removal of the short condition the FWC-FSLC-ISO will automatically restore the entire loop to the normal operating state.

For the best performance of FWC-FSLC-ISO short circuit isolator, use class A configuration.

MOUNTING REQUIREMENTS:

Mount short circuit isolators as shown in Figure 2 of these instructions.

WIRING:

Note: All wiring must conform to local codes, ordinances and regulations.

1. Install module wiring in accordance with the job drawings and appropriate wiring diagram (Fig.3).
2. Secure the module to an approved electrical box (supplied by installer), as shown in Fig.2

SPECIFICATIONS	
SLC Applied Voltage	Rated Range 25.3 – 39 VDC
SLC Current Consumption	Nominal 270µA
Active Current Consumption (Short Circuit Condition)	10mA (Typical)
On Resistance	50mΩ (Normal condition)
Visual Indicator (Status LED)	Yellow LED Indicates Short
Operating Temperature Range	0°C (32°F) ~ 49°C (120°F)
Storage Temperature Range	-30°C (-22°F) ~ 70°C (158°F)
Maximum Relative Humidity	Up to 90% RH non-condensing
Environment	Indoor dry use only
Dimensions	4.2"W X 4.7"H X .85"D
Weight	Approximately 3.0 ounces

FirewolfTM is a Registered trademark of NAPCO.



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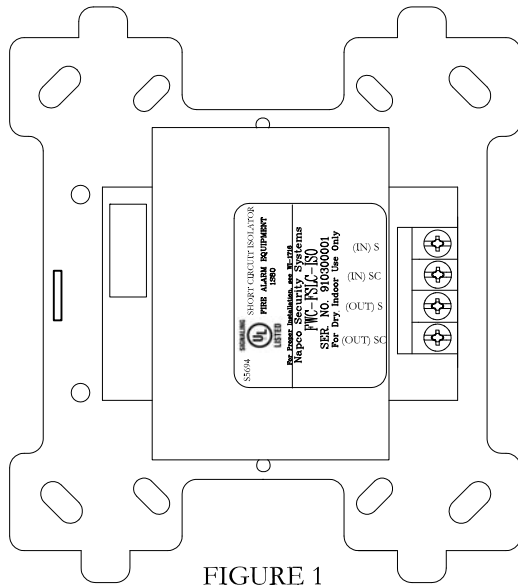


FIGURE 1

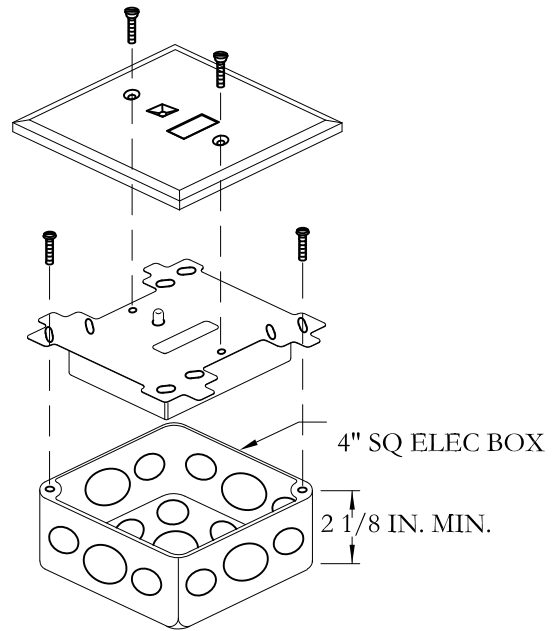


FIGURE 2
MOUNTING

NOTE: Only the same size wire from 12 to 22 AWG may be connected terminal block TB1 when more than one conductor is being connected under each terminal. Maximum of 2 conductor per terminal.

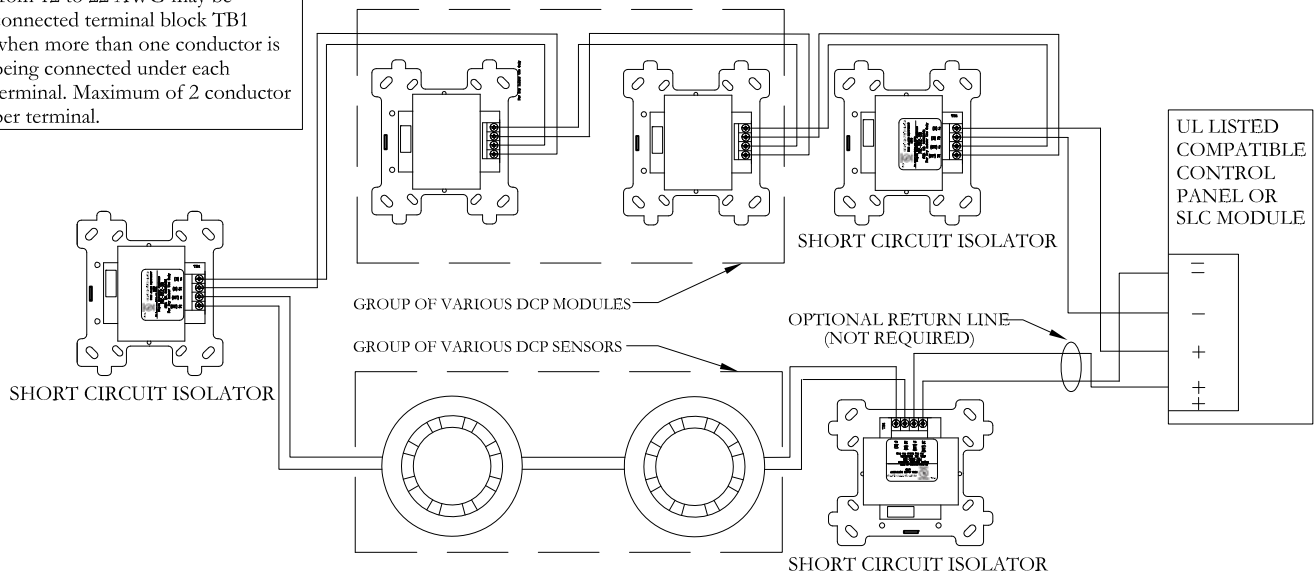


FIGURE 3
TYPICAL WIRING DIAGRAM EXAMPLE, CONNECTED
TO A COMPATIBLE LISTED CONTROL PANEL

ALL WIRING SHOWN IS SUPERVISED
AND INHERENTLY POWER LIMITED.
ANY COMBINATION OF MODULES
AND/OR SENSORS MAY BE PLACED
BETWEEN ISOLATORS