Integlex Multicrest™
fire alarm system

FQIU004-SCI
SHORT CIRCUIT ISOLATOR

Features

- One simple LED for status indication
- Self-restoring LED indication
- Downsized unit
- Easy installation

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Description

The Short Circuit Isolator (FQIU004-SCI) is used to provide additional reliability for a fire protection system by isolating a segment of an Signaling Line Circuit (SLC) in which a short circuit has occurred. This makes it possible for the remainder of the loop to provide normal monitoring functions. FQIU004-SCI employs one red LED to indicate the status. In normal condition, the LED is deactivated. When the short circuit is happened, FQIU004-SCI will cut off the short circuit and turn on the LED.

Ordering Information

Model no. FQIU004-SCI

Specifications

No.	Item	Specification
1	Rated voltage range of SLC input power (S+, S-)	22.0 to 24.0V
2	Maximum SLC 24 VDC standby current (S+, S-)	250μA
3	Maximum SLC 24 VDC alarm current (S+, S-)	1.80mA
4	Internal Resistance	0.1Ω
5	Wiring resistance or wiring after a SCI in Class B (style 4)	10Ω
6	Wiring resistance or wiring between a SCI and another SCI in Class A (style6 and 7)	10Ω
7	Maximum no. of addressable device connected to a SCI	50 units
8	Operating temperature range	0°C to 49°C (32°F to 120°F)
9	Operating humidity range	0 to 93% (non-condensing)
10	Dimensions	106mm (4.17 inches) (H) x 106mm (4.17 inches) (W)x 29mm (1.14 inch) (D)
11	Applicable electrical box for installation	North American 64mm (2-1/2 inches) deep 2-gang box Standard 4 inches square box 38mm (1-1/2 inch) deep box

Installation

Figure 1: Installation into the compatible electrical box

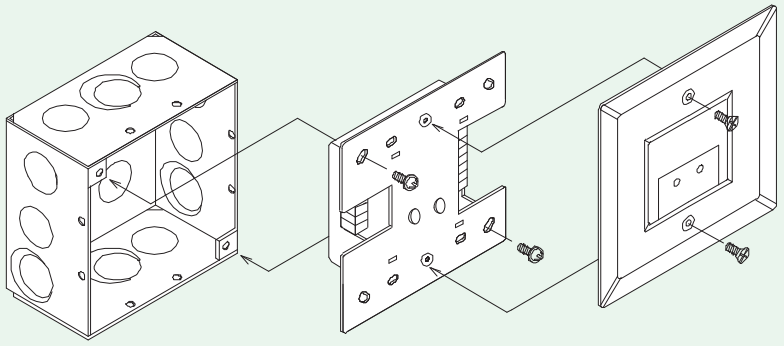

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Figure 2: NFPA Class B (Style 4) Wiring Configuration

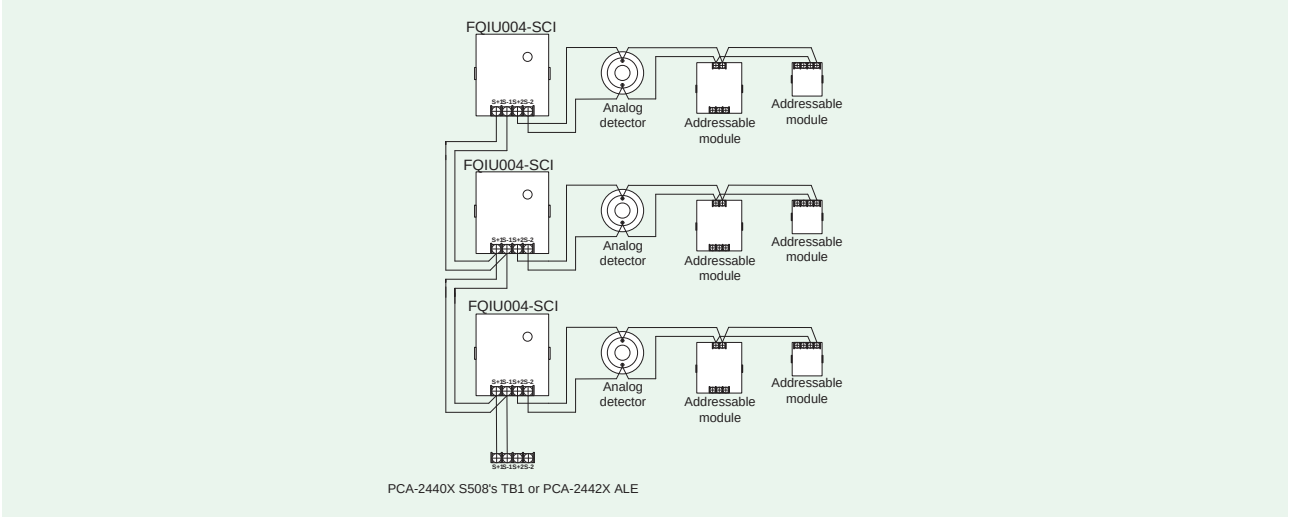
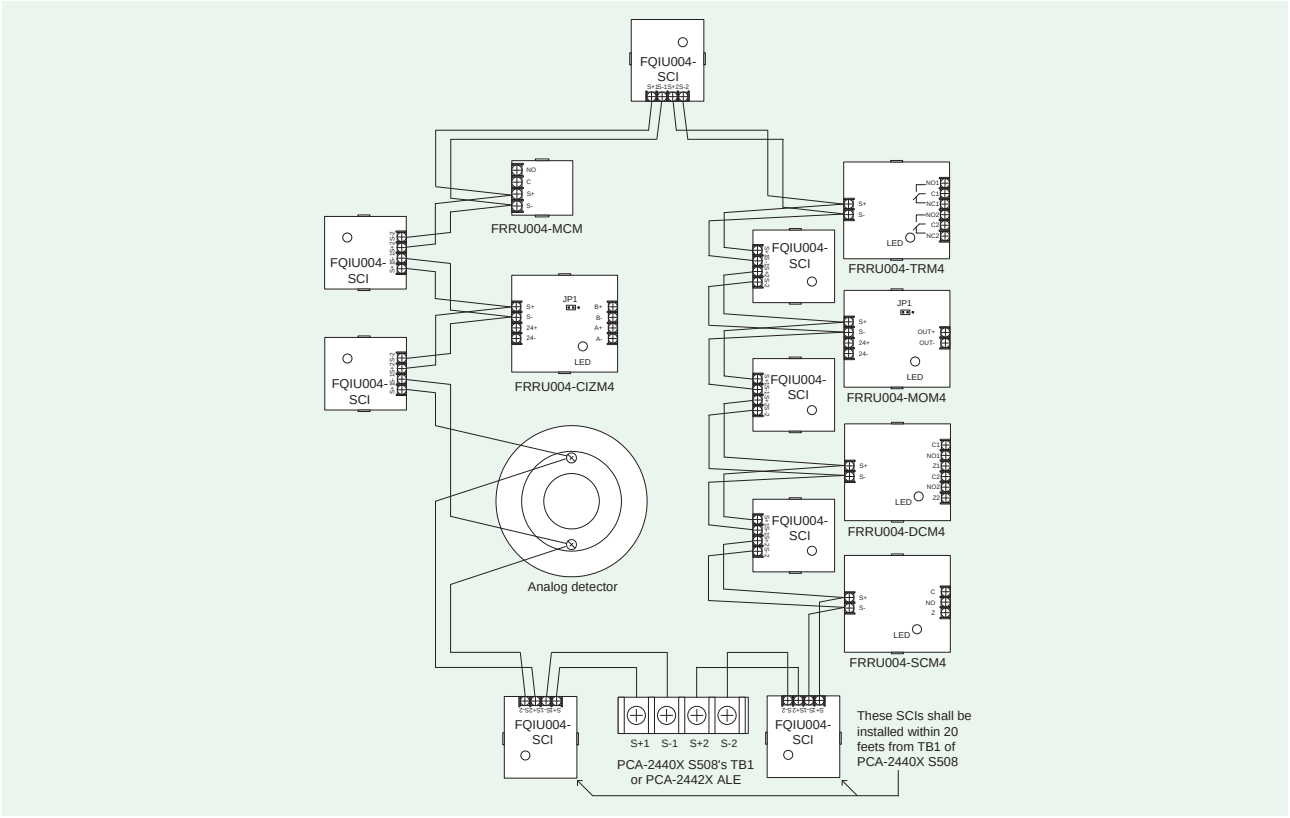


Figure 3: NFPA Class A (Style 7) Wiring Configuration



NOTE

- The information contained herein does not purport to cover all the details or variations of the equipment described, nor to provide for every possible contingency that may be met in connection with its installation, operation or maintenance.
- Specifications are subject to change without notice. Contact Nohmi before relying on the information.
- Actual performance is based on proper application of the product by a qualified professional.
- Should further information be required or should particular concerns arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to Nohmi or your nearest distributor.

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