

## RELAY MODULE

### DESCRIPTION

Relay Module (P/N 55-043/55-048) is designed for use in activation of the types of products that are generally connected to an intelligent fire alarm system. It provides two sets of form C contacts that switch together (one DPDT relay). There is also an input that is capable of monitoring a dry set of contacts for open or closed conditions. The module (P/N 55-048) also has on-board short circuit isolators to prevent shorts on the signaling line circuit from disabling more than one device on the intelligent loop. A tri-color LED is located on the front of this module to provide instant module status. This module has an internal timer to provide the ability to allow the relay to 'time-out' or act as 'purge'.



### SPECIFICATIONS

Normal Operating Voltage:	15 to 30 VDC
Standby Current:	500 $\mu$ A max. average (continuous broadcasts)
Alarm Current:	2 mA (red LED on)
Short Circuit Current:	Dry Control Input: 30 $\mu$ A max. Avg. (5 VDC)
Maximum Resistance:	Dry Contact Input: 100 $\Omega$
Temperature Range:	32°F to 120°F (0°C to 49°C)
Humidity:	10 to 93% RH Noncondensing
Dimensions:	4.17"H x 4.26"W x 1.22"D (106 mm H x 108 mm W x 31 mm D)
Accessories:	Wall cover plate (included) Surface Mount Electrical Box P/N 20-1072 Control Module Barrier P/N 20-1071
Mounting:	Mounts on a 4" x 4" x 2 1/8" Junction Box

Current Rating	Maximum Voltage	Load Description	Application
3A	30 VDC	Resistive	Non-Coded
2A	30 VDC	Resistive	Coded
1A	30 VDC	Inductive (L/R=2 ms)	Coded
0.5A	30 VDC	Inductive (L/R=5 ms)	Coded
0.9A	70.7 VAC	Resistive	Non-Coded
0.7A	70.7 VAC	Inductive (PF=.035)	Non-Coded

### ORDERING INFORMATION

Fike P/N	Description
55-043	Relay Module - Non-isolator
55-048	Relay Module - Isolator
<b>Accessories</b>	
20-1071	Control Module Barrier
20-1072	Surface Mount Box
55-051	Configuration IR Tool

### APPROVALS

- UL - S3705
- FM - 3021590 (isolator) 3023166 (non-isolator)
- MEA - 8-05-E
- CSFM - 7300-0900:140

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