

## RELAY MODULE

### DESCRIPTION

The Fike Relay Module (P/N 55-043 & 55-048) provides two sets of Form “C” dry relay contacts that switch together (one DPDT relay). These contacts can be used to control external appliances such as dampers, fans, door holders, etc. The module is designed with tri-color LED to indicate device status; flashing GREEN indicates normal polling, flashing RED indicates alarm/active state. The isolator version of the module (P/N 55-048) provides complete short circuit isolation for installations requiring NFPA Style 7 wiring.



The module is compatible with Fike’s CyberCat and Cheetah Xi intelligent control panels. Its operating parameters are configured using the panel’s programming software and are stored within non-volatile RAM in the module. This on-board intelligence allows each module to communicate its status directly to other devices connected to the panel. This peer-to-peer digital protocol results in less information that needs to be sent between the module and the host control panel, resulting in faster, more reliable communication.

### 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 for flush mounting or on a surface mount box (P/N 20-1072 ) for surface mounting

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

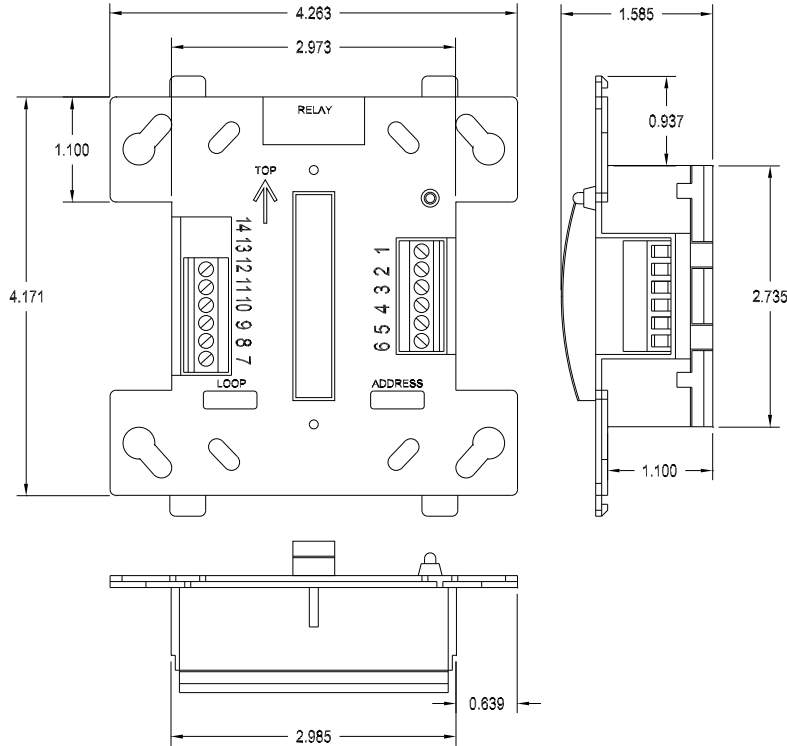
Fike P/N	Description
55-043	Relay Module - Non-isolator
55-048	Relay Module - Isolator
<b>Accessories</b>	
20-1071	Control Module Barrier
20-1072	Surface Mount Box
55-051	Configuration IR Tool

Form No. P.1.95.01-3

## APPROVALS

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

## MODULE DIMENSIONS



## TERMINAL DEFINITIONS

T1	(+) SLC in/out	T7	Normally Closed #1
T2	(-) SLC in/out	T8	Common #1
T3	(+) SLC in/out	T9	Normally Open #1
T4	(-) SLC in/out	T10	Normally Closed #2
T5	(+) Dry Contact Input	T11	Common #2
T6	(-) Dry Contact Input	T12	Normally Open #2

