

RELAY MODULE

DESCRIPTION

The Relay Module, P/N 55-043 & 55-048, provides two sets of Form "C" dry relay contacts that switch together (DPDT). These contacts can be used to initiate emergency control functions (i.e., damper closure, fan control, door holder interface, elevator recall, etc.). There is also an input that is capable of monitoring a dry set of contacts for open or closed conditions. The module has a multi-color LED that will illuminate a unique color for instant status indication (Green for normal operation, Red for device active, and Yellow for device trouble). The isolator version of the module, P/N 55-048, provides complete short circuit isolation for installations requiring NFPA, Class X 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:	580 µA max. average (continuous broadcasts)
Alarm Current:	2 mA (red LED on)
Short Circuit Current:	Dry Control Input: 30 mA max. Avg. (5 VDC)
Maximum Resistance:	Dry Contact Input: 100 W
Temperature Range:	32 to 120°F (0 to 49°C)
Humidity:	10 to 93% RH Noncondensing
Dimensions:	4.675" H x 4.275" W x 1.4" D (119 mm H x 109 mm W x 36 mm D)
Accessories:	Wall cover plate (included) Surface Mount Electrical Box: P/N 20-1347 Control Module Barrier: P/N 20-1346
Mounting:	Mounts on a 4" square x 2 1/8" Junction Box for flush mounting or on a surface mount box (P/N 20-1347) for surface mounting

RELAY CONTACT RATINGS:

Current Rating	Maximum Voltage	Load Description	Application
2A	25 VAC	PF=0.35	Non-Coded
3A	30 VDC	Resistive	Non-coded
2A	30 VDC	Resistive	Coded
0.46A	30 VDC	(L/R=20ms)	Non-coded
0.7A	70.7 VAC	PF=0.35	Non-Coded
0.9A	125 VDC	Resistive	Non-Coded
0.5A	125 VAC	PF=0.75	Non-Coded
0.3A	125 VAC	PF=0.35	Non-Coded

ORDERING INFORMATION

Fike P/N	Mfg. Model	Description
55-043	EM-1R	Relay Module - Non-isolator
55-048	EM-1RI	Relay Module - Isolator
Accessories		
20-1346	CB500	Control Module Barrier
20-1347	SMB500	Surface Mount Box
55-051	EA-CT	IR Tool
13-0192	C58-004-000	Cover Plate

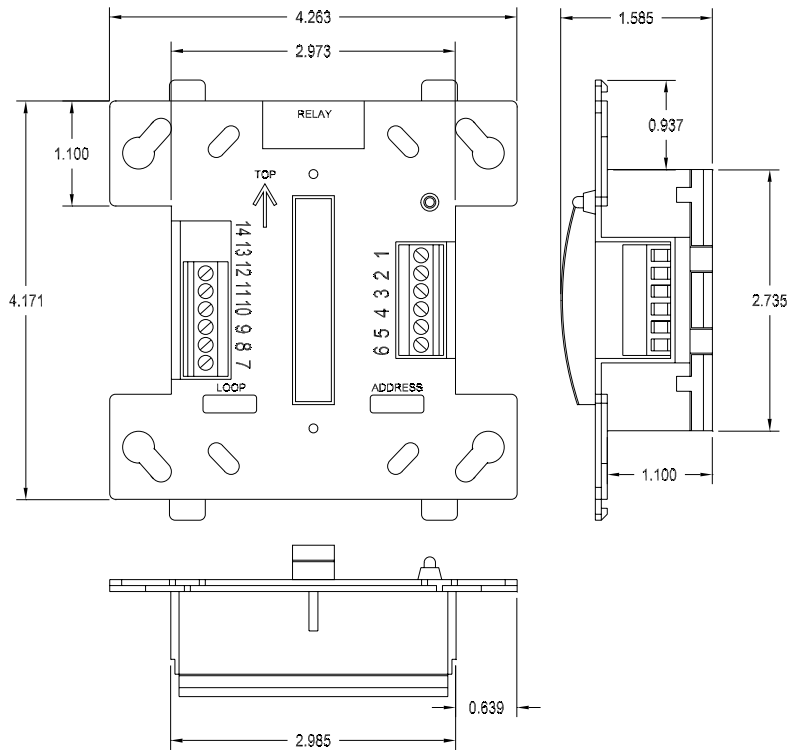


APPROVALS:

- UL - S3217
- FM
- City of New York - 8-05-E
- CSFM - 7300-2010:0101



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