

SUPERVISED CONTROL MODULE

DESCRIPTION

The Supervised Control Module, P/N 55-042 & 55-047, provides a means to switch an external power supply to notification appliances or release solenoids used for sprinkler operation, or to activate Fike's Masterbox Interface module, P/N 10-2413, which is used on a Local Energy Type Auxiliary Fire Alarm System. The module is capable of Class A or Class B wiring. The device will monitor the wiring (while external power is not switched to the auxiliary devices) to the connected device for open and short circuits via an end-of-line resistor (Class B only). The module will monitor the external power input for loss of power (DC voltage supplies only). The isolator version of the module, P/N 55-047, provides complete short-circuit isolation for installations requiring NFPA, Class X wiring.

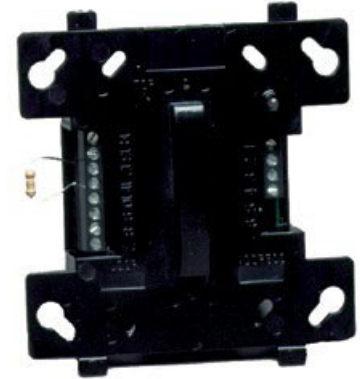
The module is compatible with Fike's CyberCat® and Cheetah® Xi intelligent control panels. Its operating parameters are configured using the panel's programming software and stored within the module's non-volatile RAM. This onboard intelligence allows each module to communicate its status directly to other devices connected to the Signaling Line Circuit (SLC). This peer-to-peer digital protocol results in less information that must 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:	630 uA max. average (continuous broadcasts)
Alarm Current:	2 mA (red LED on)
Maximum NAC Circuit Line Loss:	4 VDC
Power Supply Monitor:	Maximum (NAC): Regulated 24 VDC Trouble Range: 0 to 2 VDC
Maximum NAC Current Ratings:	3A (Class B), 2A (Class A)
Temperature Range:	32 to 120°F (0 to 49°C)
Humidity:	10 to 93% RH Non-condensing
Dimensions:	4.675"H x 4.275"W x 1.4"D (119 mm H x 109 mm W x 36 mm D)
Mounting:	4" square electrical box with 2 1/8" minimum depth. For surface mounting, use a 20-1347 surface mount box.

ORDERING INFORMATION

Fike P/N	Mfg. P/N	Description
55-042	EM-1SR	Supervised Control Module, Non-Isolator
55-047	EM-1SRI	Supervised Control Module, Isolator
Accessories		
CB500	CB500	Control Module Barrier
20-1347	SMB500	Surface Mount Box
55-051	EA-CT	IR Tool
10-2360		Series Solenoid Diode/Resistor Assembly
10-2625		39K ohm End of Line Resistor Assembly
FP-WHITE-ECL-BP	FP-WHITE-ECL-BP	Cover Plate



APPROVALS:

- UL
- FM
- City of New York
- CSFM

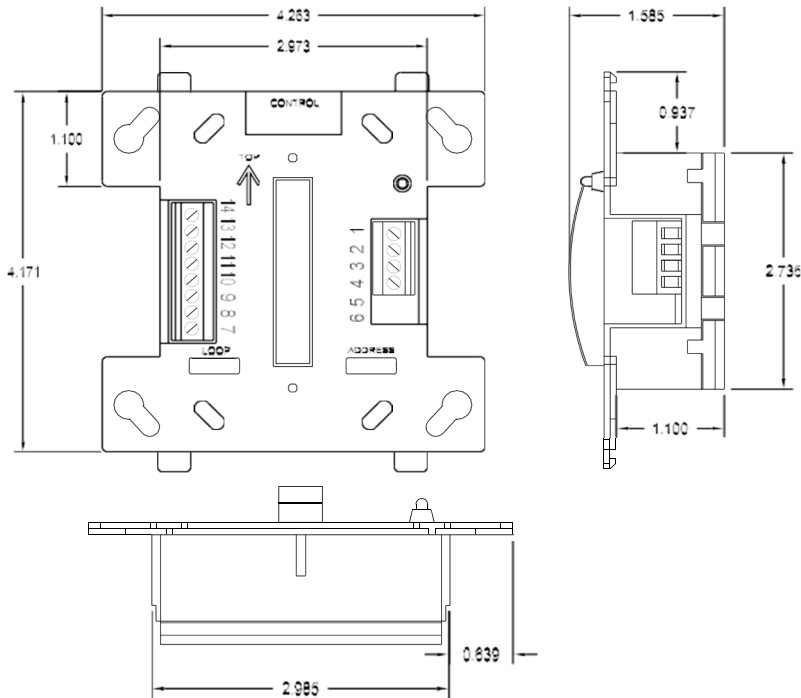
Refer to agency web site for details.



OUTPUT RATING

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=20 ms)	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

MODULE DIMENSIONS



TERMINAL DEFINITIONS

T1	(+) SLC in/out	T8	(+) 24 VDC External Power in/out
T2	(-) SLC in/out	T9	(-) 24 VDC External Power in/out
T3	(+) SLC in/out	T10	(+) 24 VDC External Power in/out
T4	(-) SLC in/out	T11	NAC (+) Class A/B
T5	No Connection	T12	NAC (-) Class A/B
T6	No Connection	T13	NAC (-) Class A
T7	(-) 24 VDC External Power in/out	T14	NAC (+) Class A