

FIREPHONE CONTROL MODULE

DESCRIPTION

The intelligent firephone control module is used with the CyberCat® fire alarm control panel to provide a two-way, selective talk telephone communications service. The module is capable of monitoring and controlling a single loop of firefighters' phones. It can differentiate between normal, off-hook, and trouble conditions on the phone circuit. When any phone is taken off-hook, the phone shall immediately receive a ringing tone, and the panel shall receive an off-hook indication. Emergency response personnel at the fire command center can selectively choose which off-hook phones to connect to the system's phone riser, thus allowing two-way communication.

The module is wired to the CyberCat system's phone riser that originates from the digital paging card P/N 10-2727, located in the fire command center. In addition, the module is wired to the system's fire-phone module circuit (Series 500 loop) that originates from the system's fire-phone card P/N 10-2728, which is also located in the fire command center. Up to 99 modules can be connected to the fire-phone module circuit, and each module must be assigned a unique address using rotary address switches provided on the module. The unique address of each module allows the CyberCat system to supervise and control the individual fire-phone modules properly.

FEATURES

- SEMS Screws for easy wiring
- Compatible with Fike's CyberCat® Control Panel
- Mounts to a Standard 4" junction box
- Rotary address switches
- NFPA 72, Class A or Class B operation

SPECIFICATIONS

Normal Operating Voltage: 15 to 32 VDC Maximum Current Draw: 7.5mA (LED on) Average Operating Current: 2.4mA (LED Flashing) Series 500 Loop Wire Resistance: 1-25 modules = 31Ω max 26-50 modules = 16Ω max

 $26-50 \text{ modules} = 16\Omega \text{ max}$ $51-75 \text{ modules} = 10\Omega \text{ max}$ $76-99 \text{ modules} = 7\Omega \text{ max}$

Series 500 Loop Wire Capacitance: 0.35µF maximum

Supervisory Wiring Resistance: 50Ω

Handset Off-Hook Resistance: $400 \text{ to } 1,500\Omega$

Temperature Range: 0° to 49°C (32° to 120°F)
Humidity: 10% to 93% Non-condensing

Dimensions: 4.25" W x 4.65" H x 1.1" D (108 mm W x 118 mm H x 28 mm D)

Weight: 6.3 oz. (196 g)

Mounting: Standard 4" (101.6 mm) square, 2-1/8" (54 mm) deep electrical box

Surface mount using 20-1347 surface mount box

DATA SHEET



APPROVALS:

- UL
- FM
- CSFM

Refer to agency website for approval information.







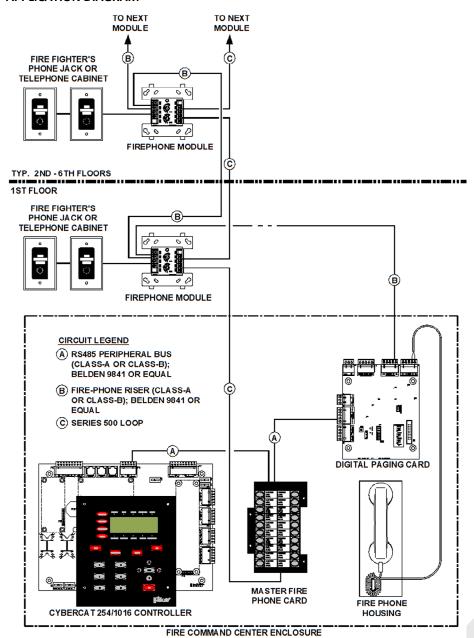
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ORDERING INFORMATION

Fike P/N	Mfg. P/N	Description
24-135	M500FP	Firephone Control Module
Accessories		
20-1346	CB500	Control Module Barrier
20-1347	SMB500	Surface Mount Electrical Box

APPLICATION DIAGRAM



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