ETHERNET MODULE

DESCRIPTION

The Ethernet Module (P/N 10-2627) is an ancillary device, that when connected to a compatible Fike control panel, allows it to participate in a Proprietary Supervising Station fire alarm system as either a transmitting or receiving unit. The module provides an interface between the compatible Fike panel and a standard Ethernet IP connection. This allows Fike control panels located in different buildings or multiple sites to link together. The Ethernet Module is NOT to be used to network panels located in a single building together.

Each control panel connected to the network requires an Ethernet Module and is given a unique IP address for panel identification on the network. This allows the operation of each individual panel to be signaled to, recorded in, and supervised from a supervising station under the same ownership as the protected premises. The supervising station can be located at the protected property or can be located at one of multiple protected properties. A digital alarm communicator/transmitter can be connected to the supervising station panel to provide single point of communication for all panels networked together to the Central or Remote station.
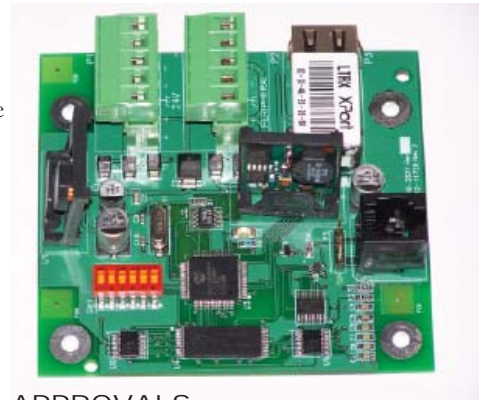
FEATURES

- Can be located up to 4000 feet from the Fire Alarm Control Unit
- Powered from Fike control panel, or battery backed 24VDC, Regulated, Power Limited power supply listed for fire protective signaling use
- Communicates on the RS-485 Peripheral Bus
- Status LED to provide instant indication of Module communication
- Transmits all network data to a monitoring location either on or off premises
- Allows multiple Fike building fire alarms systems to be monitored from one location, either on or off premises
- Allows a single DACT connected to the monitoring panel to provide communication to the Central or Remote Station for all panels networked together
- Ability to do proprietary PPU and proprietary receiving unit
- Compatible with the Cheetah Xi, Cheetah Xi 50, CyberCat 254, CyberCat 1016 and CyberCat 50 control panels, Firmware versions 3.00 and higher

APPROVALS

- UL - S3217
- FM - 3029147
- CSFM -
  7165-0900:137 Cybercat (Non High-Rise)
  7165-0900:149 Cheetah Xi
  7170-0900:148 Cybercat (High-Rise)
- COA - 6001; 6002; 6003; 6004

SPECIFICATIONS

- **Operating Temperature:** 32°F to 120°F (0° - 49°C)
- **Input Voltage Range:** 15VDC – 30VDC from the attached control panel or from a battery backed, regulated, power limited power supply listed for Fire Protective Signaling Use.
- **Input Current:** 97mA (standby), 134mA (alarm)
- **Panel Communication:** RS485 peripheral bus, 4000 ft. (1219 m) maximum from panel. Communication signals regenerated at module.
- **Status LED:** Provides indication of module communication.

OPERATION

Each control panel can be configured to supervise up to 127 remote panels, but can be configured to transmit its' panel status information to a single monitoring panel. Each control panel maintains its' own area of protection, while having the capability to monitor and control other network panels (based on programming). When a system event occurs (e.g., process, alarm, trouble, supervisory, or release), the attached panel will broadcast the system information to the network via the Ethernet Module. Panels that are programmed to supervise the active panel will respond to system events based on zone and state information received.

Form No. D.1.22.01

MOUNTING OPTIONS

There two mounting options available for the Ethernet Module are as follows:

Panel Mount - The design of the Ethernet Module allows it to be installed into the Cheetah Xi or CyberCat control panels using the mounting studs provided for the supplemental power supply transformer. This assumes that the secondary transformer is not installed. If this mounting spot is not available, the module must be mounted external to the control panel.

External Mount - If mounting the Ethernet Module external to the control panel, the 10-074 Ethernet Assembly must be ordered. This assembly includes the Ethernet Module, back-box, mounting plate, and mounting hardware required to secure the module. If connecting the Ethernet Module to the Cheetah Xi 50 or CyberCat 50, this assembly must be used.

ORDERING INFORMATION

Part Number	Description
10-074	Ethernet(MI) Module Assembly with Enclosure
10-2627	Ethernet Printed Circuit Board (incl. in 10-074)
Spare Parts (Items included in the 10-074 Multi-Interface Assembly)	
70-2043	Mounting Plate (Black)
02-4494	Back Box Enclosure (Red)
02-11767	Fike Generic Label for Mounting Plate
02-1361	Nut, 6-32 Hex (4 each required)
02-3846	Standoff, 1 ¼" M/F (4 each required)
02-4558	Screw, #6 x ½" Phillips, black (4 each required)

NOTES:
1. MONITORING PANEL PROGRAMMED TO SUPERVISE OTHER PANELS.
2. REPORTING PANEL PROGRAMMED TO TRANSMIT SYSTEM INFORMATION TO MONITORING PANEL.
3. 10-2627 ETHERNET MODULE MOUNTED INSIDE PANEL ENCLOSURE.
4. 10-074 ETHERNET MODULE ASSEMBLY MOUNTED EXTERNAL TO PANEL ENCLOSURE.

EXAMPLE ETHERNET NETWORK