

## MUXPAD II WITH 32-ZONE EOL

### Features

- Communication protocols include: Supervisory RS-485, RS-232, audio modem, fiber optic, and Ethernet.
- Serial interface to addressable FACP and/or dry contacts for conventional fire panels
- 32-zone supervised inputs
- Mix & match MUXPAD II with DGM panels
- Form C relay on Muxpad II can be turned on/off or momentary with relay control option on the SYSTEM 3505 Prism Lx™
- Watchdog timer
- Built-in lightning protection
- Draws power from FACP (18-27 VDC)
- Jumper selectable to monitor FACP, Zones or both
- Red steel enclosure with key lock
- Built-in lightning protection and watchdog timer
- Supervised RS-232 and RS-485 communication links
- NFPA-72 Compliant



### Product Description

The Muxpad II is a Data Gathering Module (DGM), which is a part of the Digitize System 3505 Multiplex Alarm Monitoring System. For a complete operating System, a System 3505 Prism Lx™ with the MULTIPLEX option is also needed. The standard communications format for the multiplex System is an isolated RS-422/485 driver. Other available line drivers include RS 232, Audio, Fiber Optic, Polling Radio and Ethernet.

The Muxpad II board contains an isolated RS-422/485 serial port, an RS-232 serial port, a 5-volt switching regulator, a single FORM C relay, a watchdog timer, full lightning protection on the RS-422/485 data line, and various support Systems (such as 128K EPROM), and zone measurement circuitry with ground fault detection.

The Muxpad II with 32-Zone EOL may also be used to monitor addressable fire alarm control panels (FACP). The Muxpad II collects the supervised messages from the FACP serial printer port. As each message is transmitted by the FACP, the Muxpad II, with 32-Zone EOL gathers the text and interprets it into a format usable by the System 3505. The new messages are then relayed to the System 3505 Prism Lx™ via the supervised RS-485 serial port in the Muxpad II.

Upon activation of any new condition, the Muxpad II communicates with the System 3505 Prism Lx™ to display new conditions as well as the English text message provided by the FACP. In the event of a data line error, the Muxpad II retains alarm information until communication is reestablished to the System 3505 Prism Lx™. Upon receiving a command from the System 3505 Prism Lx™, the Muxpad II can reset the FACP. Other commands include Bell ON/OFF, FACP local ACK, as well as Control Module ON/OFF signals.

The Muxpad II with 32-Zone EOL may also be used to monitor end-of-line supervised Dry Contact points of conventional control panels—fire, security, building process, etc.



# SPECIFICATIONS

## ENCLOSURE

Red steel enclosure with door and CAM lock  
 Dimensions: 24 in.(H) x 9 in.(W) x 3.75 in.(D)

## NET WEIGHT

12 lbs., approximate

## POWER REQUIREMENTS

Primary Power Input - 18 to 27 VDC  
 DC Operating Power Consumption - 2.9 Watts (max.)  
 At 24 Volt - 120 mA (max.)

## LED INDICATORS

MUX LED- illuminates when Muxpad II with 32-Zone EOL is transmitting to the SYSTEM 3505 Prism Lx™  
 FACP LED- illuminates when Muxpad II with 32-Zone EOL is receiving a data character from the serial port of the FACP.

## COMMUNICATIONS METHOD

Isolated RS-422/485 is standard. Optional: Audio Modem, Fiber Optic, Ethernet and Polling Radio

## ENVIRONMENTAL

Operating Temperature - 0 to + 50 Degrees Celsius  
 Storage Temperature - 0 to + 50 Degrees Celsius  
 Operating Humidity - 0 to 90% (non-condensing)  
 Storage Humidity - 0 to 90 % (non-condensing)

## List of Interfaces

### Autocall

TXF-800

### EST

EST-2, EST-3 and IRC-3,  
 iO64, 500, 1000  
 stand alone and networked

### Firecom

LSN-2000

### FCI

FC-ID, FC-IDA, and FC-IDX,  
 7100, 7200, E3

**Gamewell** (with or without  
 Annunciator; stand alone and  
 networked)

Flex 500, 600 Series, 630,  
 and 650

### Hockiki

FireNET

### Mircom

FX2000

### Notifier

640,1010, 2020, 3030,  
 NCA-2 Networked

### Simplex

4010, 4100, 4100U, 4120 and  
 4020; stand alone and  
 networked

### Spectronics

IH

MUXPAD II  
 W/ 32 ZONES  
 CONNECTED TO  
 LISTED FIRE PANEL.

