

MUXPAD II WITH 32-ZONE EOL



Features

- Communication protocols include: Supervisory RS-485, RS-232, audio modem, fiber optic, and Ethernet. (for Muxpad II with polling radio, see cut-sheet 750240)
- 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*
- Watchdog timer
- Built-in lightning protection
- Draws power from FACP (8-37 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
- Jumper selectable to monitor FACP, EOL zones or both
- NFPA-72 Compliant
- ETL Listed, FM Approved.

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 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 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 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. Upon receiving a command from the System 3505, 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.

The Muxpad II with 32-Zone EOL utilizes 32 local zones provided on the plug-in board or an optional 32-zone external plug-in board. FACP and/or ZONE Jumpers determine which System will be enabled by the software. When the FACP jumper is installed, the Muxpad will interpret the serial port data it receives into data to be relayed to the System 3505. Placing a jumper on the zone connector will allow the use of Dry Contact Zones. These zones are EOL resistor supervised and can monitor ALARM, TROUBLE, and SECURE states of the zones. When both jumpers are closed both Zones and FACP will be available.

Note: Attachment of a 32-Zone board automatically disconnects/invalidates the presence of the 8 local zones.



SPECIFICATIONS

ENCLOSURE

Red steel enclosure with door and CAM lock
 Dimensions: 24 in.(H) x 9 in.(W) x 3.75 in.(D)
 *For Muxpad II with polling radio, see cut sheet 750240

POWER REQUIREMENTS

Primary Power Input - 8 to 37 VDC
 DC Operating Power Consumption - 2.9 Watts (max.)
 At 12 Volt -200 mA (max.), At 24 Volt - 120 mA (max.)

COMMUNICATIONS METHOD

Isolated RS-422/485 is standard. Optional: Audio Modem, Fiber Optic, Ethernet and Polling Radio* see cut-sheet 750240

Net Weight-

12 lbs., approximate

LED INDICATORS

MUX LED- illuminates when Muxpad II with 32-Zone EOL is transmitting to the SYSTEM 3505

FACP LED- illuminates when Muxpad II with 32-Zone EOL is receiving a data character from the serial port of the FACP.

ENVIROMENTAL

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)

Manufacturer	FACP
Autocall	TXF-800
EST	EST-2, EST-3 and IRC-3, 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
Mircom	FX-2000
Notifier	640, 1010, 2020, 3030; stand alone and networked
Simplex	4010, 4100, 4100U, 4120 and 4020; stand alone and networked
Spectronics	IH

