## MR-2644
### Remote LCD Annunciator



## Description

The MR-2644 LCD Annunciator allows you to monitor and control compatible Fire Alarm Control Panels from anywhere within your facility. Up to eight MR-2644's, each set to a unique user programmable ID, can be connected to each FACP. A single MR-2644 can be as far as 9000 feet (2.7 km) from the control panel.

The MR-2644 display follows the display of the FACP to which it is connected allowing immediate action from wherever these units are installed. The on-board system hotkeys provide quick access to Lamp Test and Acknowledge functions, but require the keyswitch to be used when accessing Silence or Reset functions.

In addition to the textual LCD, the MR-2644 incorporates six system status LEDs that offer a quick overview of system status. Monitored conditions include: Alarm, Supervisory, Trouble, Monitor, AC On, and Ground Fault.

The MR-2644 connects to an MR-2100, MR-2200, or MR-2900 using the FACPs annunciator port. Connection between the MR-2644 and the MR-2900 requires the use of the MR-2109-3 communications board in the MR-2900 in order to drive Port 3.

Available to suit most indoors installations, the MR-2644 is available in either red or white and ships ready for flush mounting. If surface mounting is required, simply order the MR-2644-SM backbox in the appropriate color.

## Features

- Designed to meet the requirements of NFPA 72

- UL 864 listed and CSFM listed

- 80-character (4 x 20) backlit LCD (Liquid Crystal Display)

- Six common system status lights: Alarm (red), Supervisory (yellow), Trouble (yellow), Monitor (yellow), AC On (green), and Ground Fault (yellow)

- Four system hotkeys for Ack, Silence, Reset, and Lamp Test

- Access-controlled Silence and Reset hotkeys – require the keyswitch to be in the "enable" position

- Four sets of scroll keys for Alarm, Supervisory, Trouble and Monitor

- Up to eight MR-2644 annunciators can be connected to the MR-2100, MR-2200 or MR-2900 Fire Alarm Control Panels

- User-programmable supervision addresses (eight options)

- Available in red or white trim to suit any installation

- Suitable for flush mounting into a standard five gang device box or surface mounting with optional MR-2644-SM back box
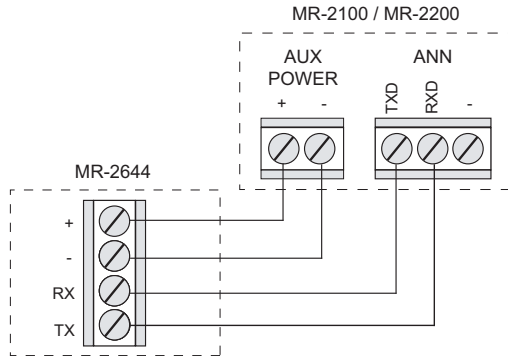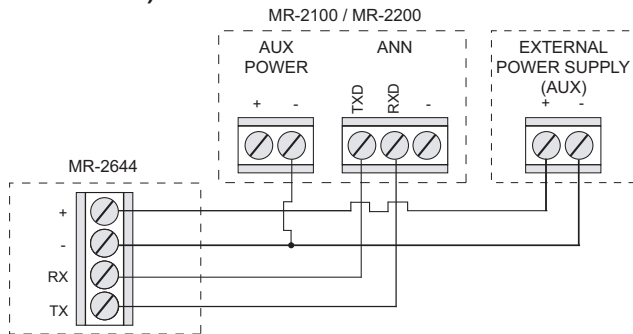


UL S8690    ULC Pending    7120-1656:102    MEA approved 352-03-E
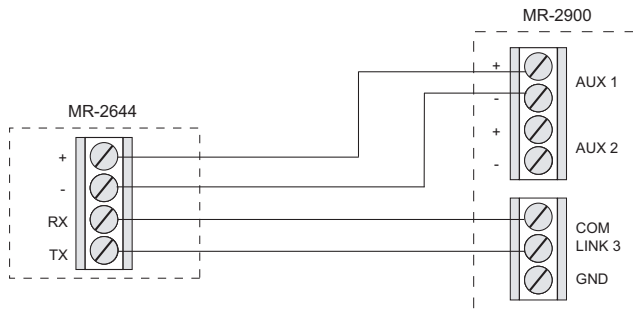
# Typical Wiring Diagrams

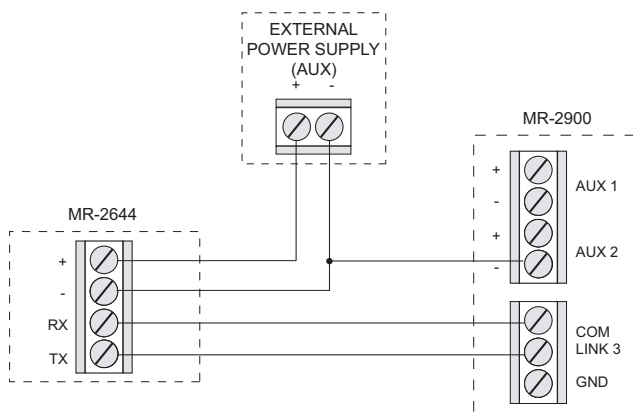## MR-2100 / MR-2200 Wiring Diagram (Powered by FACP)



## MR-2100 / MR-2200 Wiring Diagram (Powered by external PS)



## MR-2900 Wiring Diagram (Powered by FACP)



## MR-2900 Wiring Diagram (Powered by external PS)



# Technical Data

## Electrical Specifications

| | |
|---|---|
| **Voltage** | 16-28VDC, power limited |
| **Max. Input Voltage Ripple** | 3.0V$_{P-P}$ |
| **Standby Current Draw** | 30 mA |
| **Maximum/Alarm Current** | 70 mA |

## Environmental Specifications

| | |
|---|---|
| **Operating Temperatures** | 32°F – 120°F / 0°C – 49°C |
| **Humidity** | 85% RH non-condensing (max.) |

## Physical Dimensions

| | |
|---|---|
| **MR-2644 (trim plate)** | 4.5" (H) x 10" (W) <br> 10.2cm (H) x 25.4cm (W) |
| **MR-2644-SM** | 4.5" (H) x 10" (W) x 2½" (H) <br> 10.2cm (H) x 25.4cm (W) x 6.4cm (H) |

## Connections

| | |
|---|---|
| **Maximum Distance** | 9000 ft. (2700m) 12 AWG |
| **Communication/ Power Wire** | 12 to 22 AWG non-shielded twisted pair (two twisted pair required) |

**Note:** Secutron recommends that the MR-2644 be powered from the fire panel. If an external power supply is used, the following conditions must be met:

- The power supply must be regulated, filtered, power limited, and UL listed for Fire applications.

- To ensure proper communications, the negative of the power supply must be connected to the Aux Power negative of the fire panel.

- The external power supply must be mounted no further than 10ft (3m) from the FACP.

*\* To connect the MR-2644 annunciator to a MR-2900 FACP, a communications board must be installed in the MR-2900 (Model #: MR-2109-3).*

# Ordering Information

| Model | Description |
|---|---|
| MR-2644R | MR-2644 LCD annunciator, flush mount, Red |
| MR-2644G | MR-2644 LCD annunciator, flush mount, White |
| MR-2644-SMR | Surface mount backbox for MR-2644, Red |
| MR-2644-SMG | Surface mount backbox for MR-2644, White |

ISO 9001:2008
REGISTERED