

### Overview

The MNS-LOC-R Local Operating Console provides remote control of audio and message activation for the MNS-100EXP Mass Notification System. Up to 15 Local Operating Console-Remote Microphones (MNS-LOC-R) distributed throughout a facility may be connected to a single MNS-100EXP. Each LOC-R is a free-standing cabinet designed to be mounted wherever command and control of the Emergency Communication System is needed.

To accommodate the LOC-Rs, an MNS-LOC-M Local Operating Console Master Control Card must be installed in the MNS-100EXP. LOC-Rs are connected through a 6-conductor daisy-chained cable to each other and the Master Control Card. Each remote LOC-R is provided with a unique digital address at installation. The Master Control Card “polls” each remote to check for connection and status. All wiring from the LOC-Rs is fully supervised.

The LOC-Rs provide switch control and indicator LEDs for 8 messages that are played by the MNS-100EXP. Throwing a message selection switch on any LOC-R signals the –EXP, which in turn sends a confirmation command back to all LOC-Rs to light the associated message LED, and plays the requested message. The switch selection can be first-in, last-in, or priority set depending on system requirements.

Digital live voice from an active remote LOC-R is broadcast by the MNS-100EXP until its microphone key is released. This prevents other units from interrupting. However, one top priority LOC-R can be assigned, such as a dedicated commander’s position, which can take over both message selection and live voice from all other LOC-Rs.

The LOC-R provides eight switches and confirmation LEDs for requesting the playback of pre-recorded mass notification messages. Four additional LEDs provide status indications for the LOC-R. A green LED indicates 24 VDC power and other internally regulated voltages are present. A yellow LED is a common “Trouble” indicator that turns on if any fault is detected. A second yellow LED is a “Busy” indicator signifying that another LOC-R is in control. Lastly, a red “Active” LED indicates that the local LOC-R has control of the system.



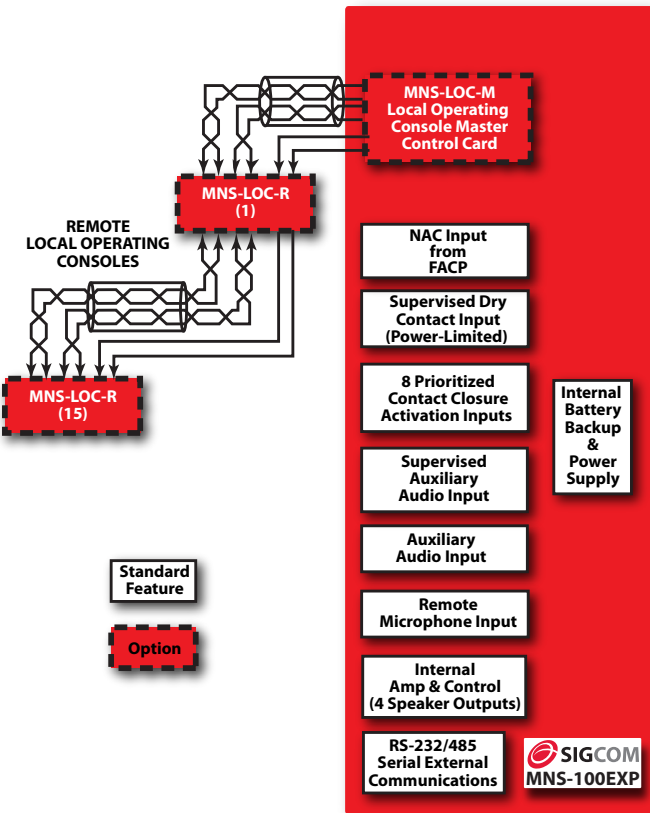
### Features

- Up to 15 Local Operating Consoles per system
- Simple, 6-wire connection between all LOCs
- Clean, digitized audio communications
- “First-in” priority stations from talking over each other
- “Commander” unit can be programmed to override all other LOCs
- Busy and message selection confirmation LEDs provide essential system feedback
- HVAC Shut Down switch
- Optional 10 minute timeout of message annunciation

### Options

- Optional key lock or twist knob

An optional HVAC SHUTDOWN switch is provided that will enable signaling back to the MNS-100EXP to control an external HVAC system with a relay on either the MNS-3-REL 3-Relay Card, or the MNS-NAC-REL NAC-Relay Card, whichever is installed (see below). In this way, only a single control connection to the HVAC system is required, directly at the MNS-100EXP, regardless of how many LOCs are used in the system. (For information on the MNS-3-REL 3-Relay Card or the MNS-NAC-REL NAC-Relay Card, please refer to their separate respective data sheets.)



## Specifications

Specifications are subject to change without notice due to product improvements.

### Power

**Voltage**

regulated 24 VDC

**Current**

**LOC-R**

32 mA active, 24 mA standby, each

**LOC-M**

32 mA active, 30 mA standby

### Connections

**Power**

1 pair 24 VDC , power limited, supervised

**Audio**

1 pair RS-485, supervised

**Data**

1 pair RS-485, supervised

### Installation

surface mount (semi flush installation kit optional)

### Enclosure

indoor; 12" h x 10-1/2" w x 3-3/4" d; painted steel

### Temperature Range

32°F to 120°F (0°C to 49°C)

### Humidity

90% maximum, non-condensing;

### Approvals/Listings

ETL Listed for UL 864 9th Edition (Control Units and Accessories for Fire Alarm Systems) and UL 1711 4th Edition (Amplifiers for Fire Protective Systems; Complies with UL 2572 (Control and Communication Units for Mass Notification Systems).

## Ordering Information

Description	Model
Master Control Card	MNS-LOC-M
Local Operating Console with Key Lock	MNS-LOC-R
Local Operating Console with Twist Knob	MNS-LOC-RT
Semi Flush Installation Kit for MNS-LOC-R	MNS-LOC-SF



4 Wheeling Avenue; Woburn, MA 01801  
 Phone – (781) 933-0998 | Fax – (781) 933-5019  
 Email – sales@sigcom.com | www.sigcom.com

©2011 Signal Communications Corporation; all rights reserved

1205R1/LOC-R/OEMM