

# n.FORM® HEADEND RACK MOUNT

MODEL MCR-100-HE (previous model #G8220)



## FUNCTION

Mercury Notification's n.FORM® Headend Rack unit replaces all the bulky headend equipment that is associated with music and paging systems. The Headend Unit meets the UL 2572 and UL 864 standards to be part of a mass notification system and also is accepted to interface with a fire alarm control panel (FACP). n.FORM has the ability to reinforce the fire alarm annunciation, shutdown the paging in the event of an emergency, and deliver non-fire emergency notifications.

With the n.FORM Headend Rack unit there is no need for amplifiers, separate equalizers, special switching equipment or matching vendors for compatible product interfaces. The rack unit's technology is so sophisticated that it can allow zone additions, modifications, deletions and other changes to the paging system on the fly, without rewiring. This eliminates the need for running multiple home runs back to the electrical closet or through building risers to create separate or additional zones.

The n.FORM Headend Rack unit allows the ability to use up to 255 individual zones for paging using standard DTMF tones through a POTS telephone line. The system is also programmed for all-call and emergency broadcast paging. The easy to use, full one octave band equalizer can be adjusted to either individual zones or all zones and provides exceptional fine tuning capabilities.

The creation, modification, addition and deletion of zones or groups for paging and audio can be easily controlled through the Processor using the included System Manager software or through the on-board keypad. No proprietary software needs to be installed on the client's side, eliminating security and migration issues.

The n.FORM System is an open platform system.

In addition, volume and equalizer settings for paging and music can be programmed through System Manager offering tremendous adjustment and control capabilities with unprecedented flexibility.

The n.FORM headend rack unit typically installs in the Telephone or IT closet and accepts a POTS line for all-call and zoned telephone paging. In addition, there are 6 RCA audio inputs for audio and microphones.

## PRODUCT SHEET & SPECIFICATIONS

### n.FORM® HEADEND RACK UNIT

MODEL MCR-100-HE (previous model #G8220)

#### FEATURES AND CAPABILITIES

- + An integral keypad for user input and setup.
- + Integrated LCD screen for displaying information.
- + Text-to-Speech capabilities.
- + Service port.
- + Pre-Recorded messages can be loaded onto the unit & played back.
- + push buttons for quick triggering of emergency pre-recorded messages.
- + Paging zone push buttons for quick zone selecting for emergency paging.
- + Emergency control pushbutton to override any current page for emergency paging.
- + Hand-held CB-MIC for emergency paging and testing.
- + LED indicators for: Power, audio input levels, fault status, processors status, relays status, SmartSwitch status.
- + Integral SmartSwitch to re-route a page if a cable is broken between NAs.
- + Internal speaker for audio input monitoring.
- + cloud server interface.
- + Reset push button to reset the head-end unit.
- + Protoessor - Used to control the networked system
- + UPS connection to connect the rack head-end to the customer's UPS.
- + 6 audio inputs (line level) with RCA connectors.
- + Auxiliary MIC key inputs for zone page control.
- + Integral Global MPI for global telephone paging capabilities.
- + Local and Global MIC inputs.
- + Local and Global phone inputs.
- + Fire panel emergency control interface.
- + Auxiliary relays connections to control external devices.
- + Data and Audio cables connections to connect to OP's.
- + Removable rack mounting brackets.

#### ENCLOSURE

- + Powder coated aluminum
- + Dimensions:
  - 3RU height 17-1/4"L x 15-3/8"D x 5-1/4"H
- + Weight: 15lbs

#### PAGE

- + POTS line telephone input. RJ11
- + POTS appearance phone line from PBX

#### MUSIC

- + Left and right channel dual RCA mono, 10k ohm input impedance, unbalanced, RCA jack (phono connector)
- + Right channel single RCA mono, unbalanced, single ended RCA jack.

#### WIRING AND CABLE CONNECTIONS

- + Cat5e data cable, RJ45 connector. Connects to OP's
- + Page output, pins 4 and 5 of RJ45 is a balanced output (data cable)
- + Music output, pins 7 and 8 of RJ45 is a balanced output (data cable)
- + Screw terminal block. Connects to (-), ground, of first OP
- + Audio output, RJ45 connector is a balanced output
- + Audio output for (4) additional audio sources

#### PAGING ZONES

- + Individual channels and groups
- + Point Z™ Technology (Each channel can carry 10 programmable zones)

#### ELECTRICAL SPECIFICATIONS

- + Input – 100-240 VAC, 50-60Hz, 36W
- + IEC power cord included

#### INPUTS

- + Network connection
- + Microphone input allows stationary mic to be used for the n.FORM headend rack unit
- + 6 Page trigger zone inputs - Sends all call page or zoned page
- + Power input
- + POTS line input (RJ11)
- + Signal + Ground 3-POS terminal (screw connectors)
- + UPS Connection: 24VDC, 15.6w max

#### HEAT DISSIPATION

- + 123 BTU/hr

#### AGENCY LISTINGS

- + UL 2572 / ULC-S576
- + UL 864 / ULC-S527
- + California Fire Marshall Listing
- + UL 60065