Description

The ICM-430 intercom station is used with the DXI’s SAB-400 and SAB-401 station audio boards, or the DXL’s SCC-400 and SCC401 station control cards. It is suitable for use in high security areas and is designed for superb audio clarity in reverberant acoustic environments. The ICM-430 incorporates an integral speaker/microphone, and circuitry for transmission of all station audio, power, and switch closures over a single shielded pair cable for reduced installation costs. The ICM-430 mounts in a standard three-gang electrical box.

Features

- internal termination circuitry for line fault supervision to detect open and short circuit wiring faults
- half duplex audio channel to the intercom exchange
- internal preamplifier for superior audio sensitivity
- switches are programmable for call request, program selection, or other functions
- steel offset grille baffle plate protects the speaker from physical damage
- conformal coating protects all electronic components from moisture in weather resistant version
- stainless steel hardware and baffle plate in weather resistant versions
- 11 ga heavy-duty brushed stainless steel faceplate with camfo red edges
- 2.5” mylar cone speaker
- choice of 0, 1, or 2 vandal resistant long life switches
- optional solid metal piezo-electric switches provide enhanced vandal resistance and extremely long life due to the total absence of moving parts
- mechanical switches available in standard, soft action, low temperature, or mushroom button versions
- available without internal speaker for remote speaker mounting
- single shielded twisted pair 22 ga cabling for audio and switch closures
- no connection to shield drain wire at the intercom station
- 4 terminal depluggable MTA100 series connector eliminates wire stripping during servicing and installation
- mounts on standard 3 gang electrical box
- compatible with all standard #6-32 mounting hardware allowing any type of security screw to be used

Specifications

Physical
4.5” H x 6.4” W x 1.75” D
(114 x 163 x 45 mm)

Faceplate
Heavy-duty
11 ga brushed stainless steel

Environmental
Operating Temperature
32 to 122 °F (0 to 50 °C)
Weather resistant Intercom
-40 to 122 °F (-40 to 50 °C)
Storage Temperature
-40 to 158 °F (-40 to 70 °C)
Humidity
0 to 95 % non-condensing

Field Connections
4 pin MTA100 connector

Cabling
22 ga shielded twisted pair
2500 ft (750 m) maximum length

Switch Lifetime
Standard
1 million operations
Piezo-electric switch
50 million operations

Speaker
2.5” (64 mm) mylar cone

Speaker Level
82 dB SPL at 1 m at 1 W

Microphone Level
10 mV at 74 dB SPL
Ordering Information

Part number ICM-430-ABC-DEF

A  faceplate options
   1  14 gauge (no longer available)
   2  11 gauge
   3  11 gauge - labeled “Call”
   4  11 gauge - labeled “Call” & “Program”
   5  11 gauge - labeled “Call” & “Door”

B  weather resistant options
   1  standard (interior)
   2  weather resistant (exterior)

C  switch B options
   0  none
   1  standard
   2  cord jack*
   3  piezo-electric switch
   4  none with header
   5  standard with header
   6  mini-piezo
   7  anti vandal
   8  red mushroom button

D  switch A options
   0  none
   1  standard
   3  piezo-electric switch
   4  none with header
   5  standard with header
   6  mini-piezo
   7  anti vandal

E  options
   0  none

F  internal speaker options
   1  mylar cone

* pushbutton call cord must be ordered separately