



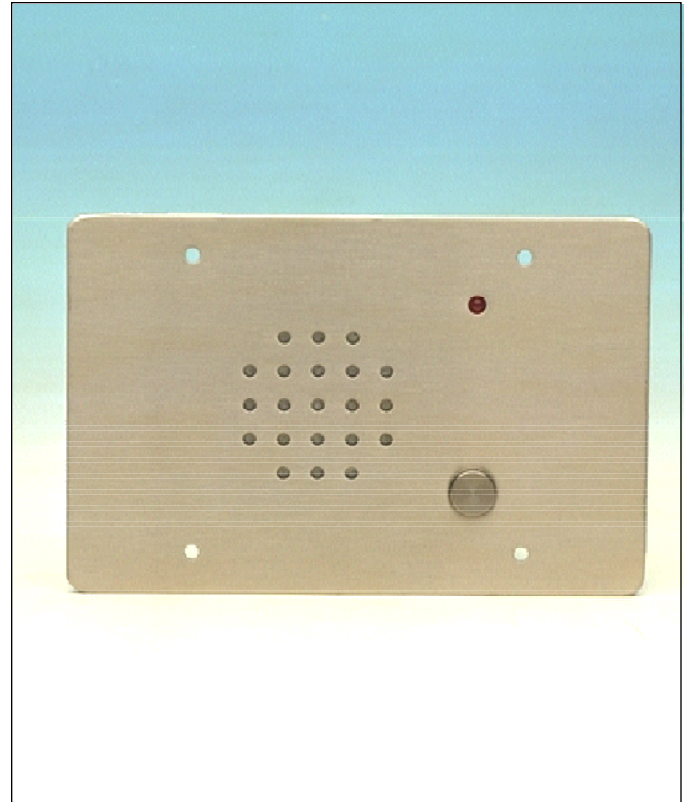
Description

The ICM-230 is the three gang version of intercom station for use with DIO-2xx discrete I/O boards. It is suitable for use in high security areas and is designed for superb audio clarity in reverberant acoustic environments. The ICM-230 incorporates a loudspeaker/microphone and requires a pair of wires for audio and each switch or indicator.

Features

The ICM-230 intercom station features:

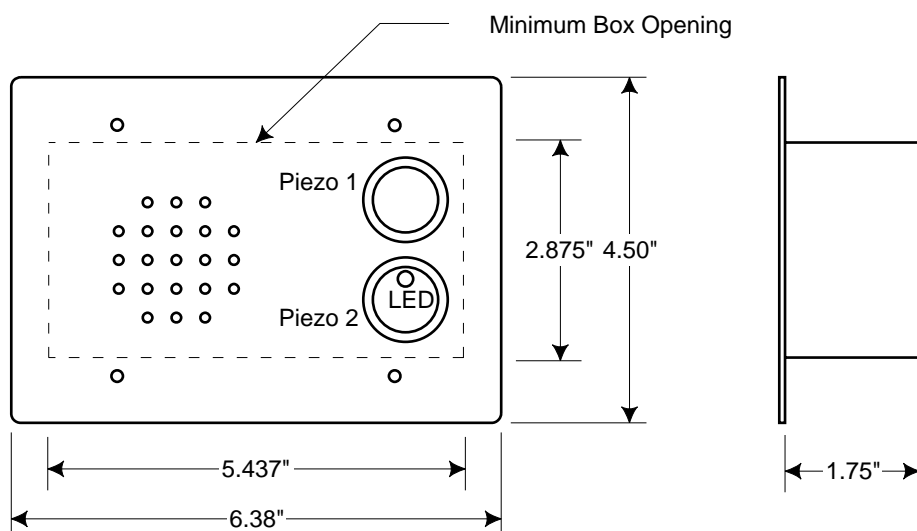
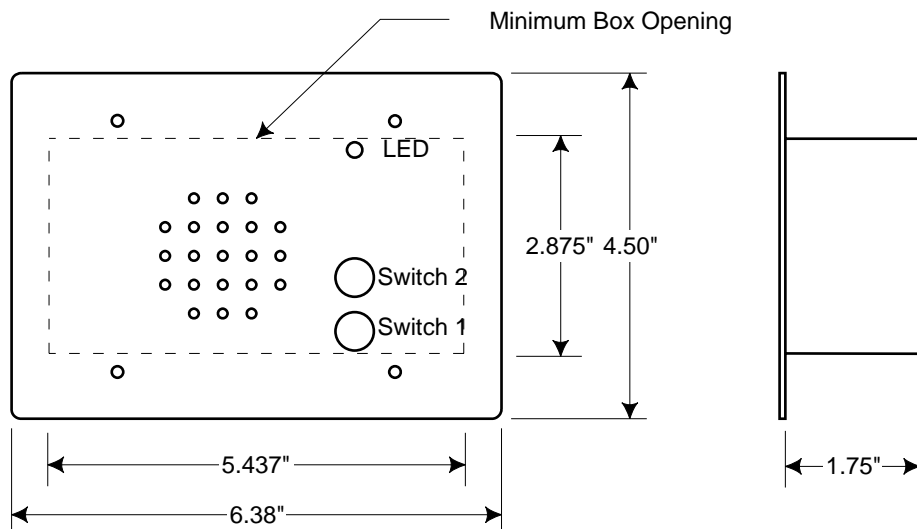
- internal termination circuitry for line fault supervision to detect open and short circuit wiring faults in switch wiring
- half duplex audio channel
- switches are programmable for call request, program selection, and other functions
- optional status indicator LED
- LED indicator display is programmable for call request status or active call status
- steel offset grille baffle plate protects the speaker from physical damage
- conformal coating protects all electronic components from moisture in weatherproof version
- stainless steel hardware and baffle plate in weatherproof versions
- waterproof 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
- available without internal speaker for remote speaker mounting
- single shielded twisted pair 22 ga cabling for audio
- single 22 ga pair for each switch and LED
- no connection to shield drain wire at the intercom station
- 8 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	standard heavy duty	14 ga brushed stainless steel 11 ga brushed stainless steel
Environmental	operating temperature storage temperature humidity	32 to 122 °F (0 to 50 °C) -40 to 158 °F (-40 to 70 °C) 0 to 95 % non-condensing
Field Connections		8 pin MTA100 connector
Cabling	Audio Switch/LED	22 ga shielded twisted pair 22 ga pair
Switch Lifetime	standard piezo-electric switch	1 million operations 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

Mechanical



Ordering Information

Part number ICM-230-ABC-DEF

A faceplate options

- 1 3 gang standard
- 2 3 gang heavy duty
- 9 custom (add H x W x ga to part number)

B weatherproof options

- 1 normal
- 2 weatherproof

C switch 1 options

- 0 none
- 1 standard
- 2 cord switch
- 3 piezo-electric switch

D switch 2 options

- 0 none
- 1 standard
- 2 cord switch
- 3 piezo-electric switch

E LED options

- 0 none
- 1 standard
- 2 on piezo-electric switch 1 option
- 3 on piezo-electric switch 2 option

F internal speaker options

- 0 none
- 1 waterproof

Document # DS-ICM-230-3.1 • Copyright © 1997 Harding Instruments • All specifications subject to change without notice. • Printed in Canada

HARDING
INSTRUMENTS

9431 41st Avenue
Edmonton, AB T6E 5X7

Tel 780-462-7100
Fax 780-450-8396



Represented by: