



ICM-430 Intercom Station

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

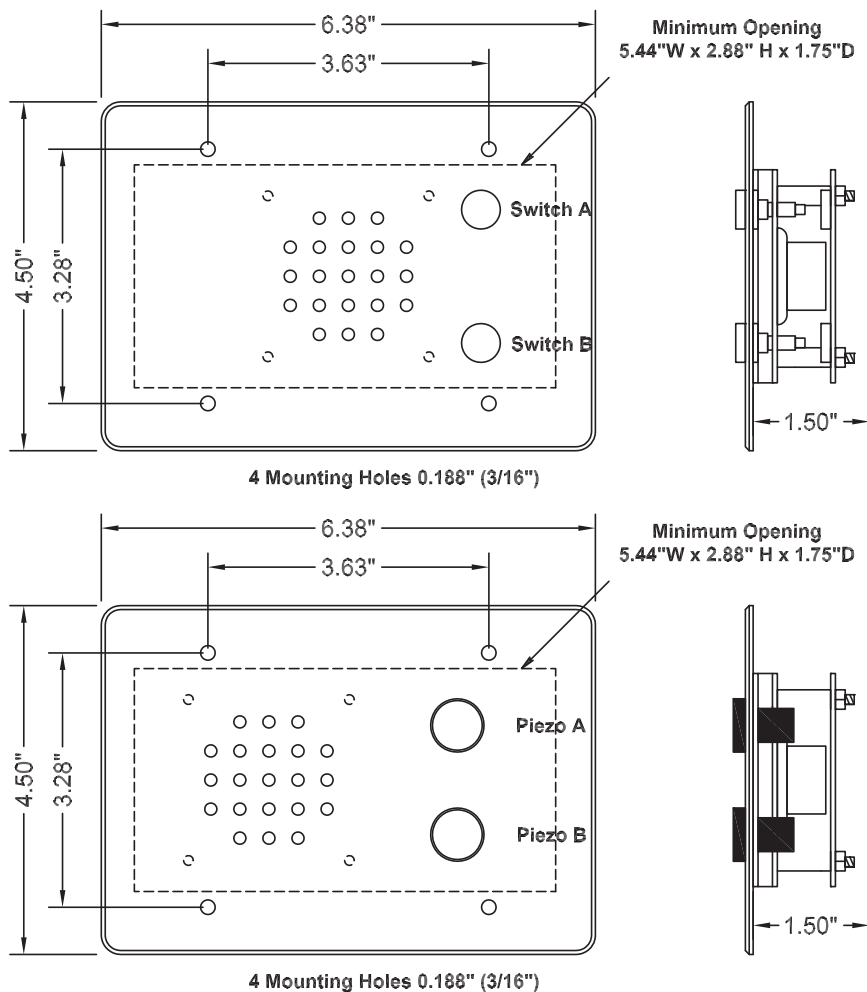
- internal termination circuitry for line fault supervision to detect open and short circuit wiring faults
- half duplex audio channel to the intercom exchange
- internal preamplifier for superior audio sensitivity
- switches are programmable for call request, program selection, or other functions
- 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 camfired 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

Mechanical



Ordering Information

Part number ICM-430-ABC-DEF

A	faceplate options	D	switch A options
	1 14 gauge (no longer available)		0 none
	2 11 gauge		1 standard
	3 11 gauge - labeled "Call"		3 piezo-electric switch
	4 11 gauge - labeled "Call" & "Program"		4 none with header
	5 11 gauge - labeled "Call" & "Door"		5 standard with header
B	weather resistant options		6 mini-piezo
	1 standard (interior)		7 anti vandal
	2 weather resistant (exterior)	E	options
C	switch B options		0 none
	0 none	F	internal speaker options
	1 standard		1 mylar cone
	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		

* pushbutton call cord must be ordered separately

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