MicroComm

IMS-440
Intercom Master Station

Description

The IMS-440 is the desktop standard size display master station for use with SAB-300, SAB-400 or SAB-401 station audio boards. This unit is compact, sturdy, and can be permanently fixed to millwork if required. It provides the operator with audio communication, paging, and monitoring functions as well as alarm and control functions. It also permits the operator to receive and place calls, put calls on hold, make public address and station group call announcements, and manage system background music operations. Other features include the ability to acknowledge, cancel, and reset incoming alarms and to monitor, activate and deactivate output points.
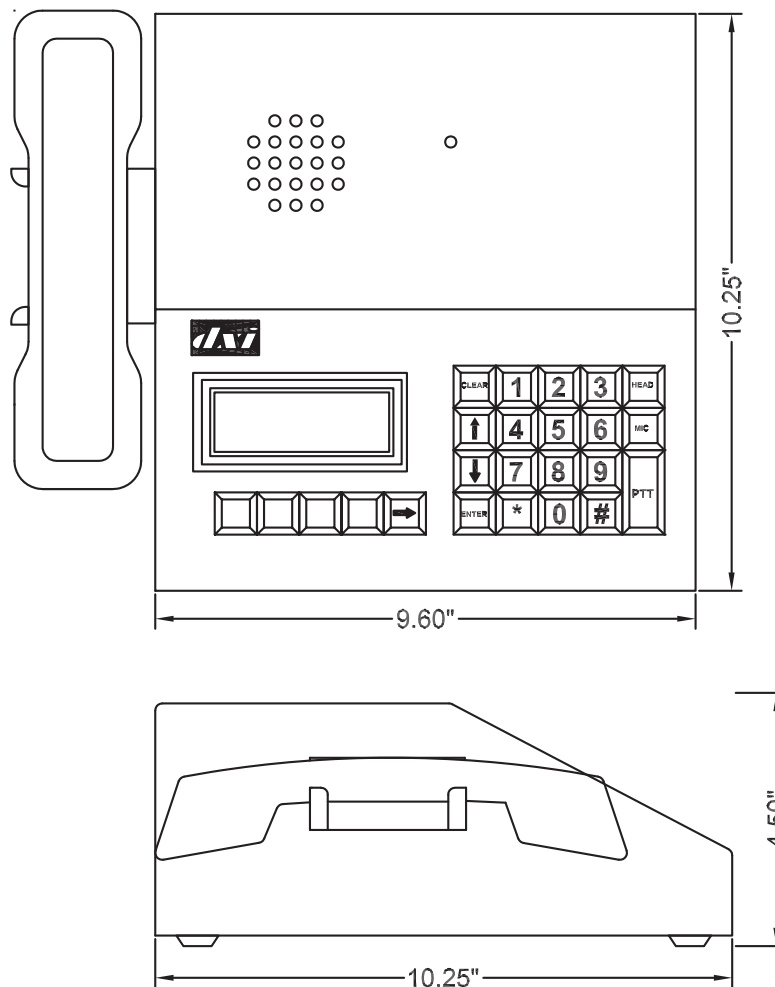
Features

- 4 line by 20 character alphanumeric LCD display
- scratch and impact resistant window protects display
- adjustable viewing angle on the LCD display
- adjustable back lighting for low ambient light conditions
- 4 software labeled menu keys for fast and simple user operation
- 5 dedicated function control keys
- 3 audio control keys
- standard 12 button telephone keypad
- internal signal buzzer
- optional internal speaker and microphone protected by plate baffle
- optional headset jack
- handset with five foot coiled cord includes a push to talk switch in the handle, and a rugged cradle assembly
- high impact handset
- external push to talk connections
- 2 programmable external contacts
- 2 LED's indicate network status
- 3 LED's indicate operating status
- can be connected or removed while the system is operating without disrupting the rest of the system
- internal fuse protects circuitry
- flash memory enables updating of the firmware over the network
- full functional test capabilities
- self-test functions can be operated from the SAC computer
- highly reliable key switches for long life
- rugged steel construction for harsh environments
- brushed stainless steel faceplates
- connectorized field wiring for ease of installation and service

Specifications

Physical	4.5" H x 9.5" W x 10.25" D (114 x 241 x 260 mm)
Display Size	1" H x 3" W (25 x 76 mm)
Character Size	0.19" H x 0.12" W (5 x 3 mm)
Key Switch Lifetime	10 million operations
Environmental	
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-4 to 158 °F (-20 to 70 °C)
Humidity	0 to 95 % non-condensing
Power Supply	12 Vdc ± 10% @ 500mA max or 24 Vdc +10% -40% @ 500mA max
Field Connections	DB 25 connector
Cabling	
Audio	2 22 ga shielded twisted pair
Network	1* 22 ga unshielded twisted pair
Power	1* 22 ga pair max. 30 ft (9 m) at 12 Vdc max 375 ft (114 m) at 24 Vdc * Double for redundant wiring
Standards	FCC Part 15

Mechanical

Ordering Information

Part number   IMS-440-ABC-D

    A   power supply options
        2   24 Volt
    B   speaker/microphone options
        1   internal speaker and microphone
    C   handset options
        0   none
        2   handset with PTT switch
    D   headset jack options
        1   modular jack

Accessories

Headset

Foot Switch

Represented by:

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