

# Master Intercom Station

# ICM

## Features:

- Designed for use with Programmable Logic Controller (PLC) based Audio Systems
- Hinged enclosure design for easy access (Figure 1 below)
- Standard XLR receptacles for Microphone, Headset, and PTT footswitch. (Headset and footswitch are optional equipment)
- Standard Internal relays for switching between speaker/microphone and headset.
- Controls: Volume Up, Volume Down, Push-to-Talk
- Provided with rubber feet which can be removed for stationary mounting

## Microphone:

Type - Electret Condenser • Phantom Power - 9 to 52V DC • Frequency Response - 80 Hz - 18 kHz • Max SPL - 2.5 mv/Pa • Impedance - Low (600 ohms nominal)

## Speaker:

Frequency Response - 150 Hz - 12 kHz • Power Capacity - 2 watts • Impedance - 45 Ohms • Magnet - Alnico V, .52 ounce

## Physical:

Dimensions - 7-1/2" wide, 8" deep, 4" tall • Finish - Stainless Steel

## Associated Equipment:

Programmable Logic controller

Tech Works ICA-202D Remote Intercom Amplifier

**FS** - Footswitch (Figure 2 below)

**HS** - Headset (Figure 3 below)

**HAND** – Handset (Special Order)

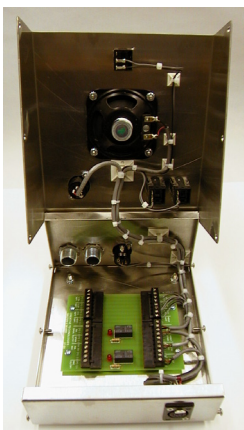


Figure 1



Figure 2



Figure 3

## Engineers' Specifications:

The Master Intercom Station shall be Creative Technologies model ICM and shall operate in conjunction with a Tech Works ICA-202D intercom amplifier. Construction shall be of 16-gauge stainless steel. Momentary pushbuttons shall be provided for volume up, volume down, and push-to-talk functions. The gooseneck microphone shall be removable, low impedance, electret condenser type, with a frequency response of 80 Hz - 18 kHz. The speaker shall be 2 watt, 45 ohm, with a frequency response of 150 Hz - 12 kHz. An internal circuit board shall be provided with all necessary terminals and relays. All terminals shall be "quick disconnect" type such that no tools are required to disconnect wiring for board replacement. Receptacles shall be provided for a foot operated push-to-talk switch and a headset with microphone. Upon inserting the headset plug into its receptacle all talk and listen functions shall transfer to the headset. The master station shall contain no active circuitry or control logic. All control functions shall be performed by a Programmable Logic Controller.

**Specifications subject to change without notice.**