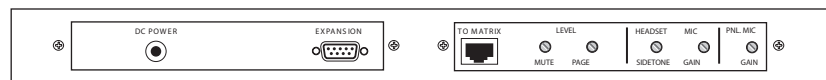ICS-1016, EXP-1016, 1CS-1008 Front View

ICS-1016, , 1CS-1008 Rear View

FEATURES

- 16- and 32-key intercom stations, plus 32-key expansion panel

- Illuminated pushbutton keys can be programmed as talk, listen, or talk-with-listen

- Individually variable listen levels for each key

- Keys are momentary/latching, and may be individually programmed to be momentary only

- Use with headset or with gooseneck mic and integral speaker

- Controls for sidetone, mic gains, page override, speaker mute

- Stations provide Answer-Back key and call-waiting tallies

- Designation strip for printed talk/listen labels

- Programmable via configuration computer or ICS-2003 master intercom station

DESCRIPTION

The ICS-1016 and ICS-1008 are 1-RU digital intercom stations for use with Matrix Plus 3 digital intercom systems. The ICS-1016 features 32 pushbutton keys that can be programmed for talk, listen, or talk-with-listen. The ICS-1008 has 16 keys. The EXP-1016 is a 32-key expansion panel that may be used with either of the two stations to add additional keys.

Jacks are provided for a headset and a gooseneck microphone, with a mic/head-set selector switch and auto-sensing when a gooseneck mic is inserted. A full-range, integral speaker with volume control permits monitoring of any selected listen keys. Pushbutton switches for speaker on/off, mic on/off, call/listen level, and listen level up and down are provided. Gain trim, sidetone, and speaker-setup controls are accessible on the rear panel.

These stations give the user an excellent balance of high performance and value. They are ideal for use with the MicroMatrix digital intercom system and with the larger Compact 72 and System 200 intercom frames.

TALK AND LISTEN KEYS

Responsive pushbutton keys feature back-lit LED's that track the status of each key. The keys are momentary/latching, depending on whether they are pushed and held or quickly tapped, and may be individually programmed for momentary-only operation. A key illuminates red for talk or talk-with-listen, and yellow for listen. Keys may be programmed for other functions besides talk and listen, allowing one-touch telephone dialing, IFB interrupt, control over relays, and activation of inter-faces to other communications systems.

When a key is programmed with a particular destination label, it lights at a lower intensity with the appropriate color. When a key is active, it illuminates with higher intensity. Various flash rates are used to indicate different tally and program-ming states, such as call-waiting and device-active tallies.

Matrix Plus

DIGITAL INTERCOM

by Clear-Com

SPECIFICATIONS

LINE INPUT/OUTPUT
Type: Transformer Balanced
Input Impedance: 8K Ohms Bridging
Output Impedance: 150 Ohms
Level: 0 dBv nominal
Freq. Resp.: 50 Hz - 15 kHz, +/-2 dB

PANEL MICROPHONE INPUT
Type: Electret with proprietary phone jack
Input Level: -40 dBv
Gain Adjustment Range: +/-5 dB (software)
Impedance: 200 Ohms

HEADSET MICROPHONE INPUT
Type: Dynamic
Input Level: -55 dBv
Gain Adjustment Range: +/-5 dB (software)
Impedance: 200 Ohms

HEADPHONE OUTPUTS
Impedance: 50 - 600 Ohms
Power: 1/2 Watt into 50 Ohms

FRONT PANEL CONTROLS AND CONNECTORS
Selector Keys: 32
Keypad Keys: 6
Answer Back Selector Key: 1
Volume Controls: intercom
Headset Connector: XLR-4M
Panel Mic Connector: Locking 1/4" phone jack

REAR PANEL CONNECTORS
Miscellaneous:
To Matrix: RJ-45
Expansion Option: DB-9F

TEMPERATURE
Operating: 0º - 50º C (32º - 125º F)
Humidity : 20% to 90%, non-condensing
POWER
In-Line Power Supply, with 3-pin EIA connector, UL approved power supply
Voltage: 90 - 250 VAC, 50 - 60 Hz, 50 VA max.

DIMENSIONS
1.75" H x 19" W x 6.75" D
(89 x 483 x 172 mm)

WEIGHT
4.0 lbs.

All specifications are subject to change without notice.

ANSWER-BACK AND CLEAR KEYS

The left-most pair of keys is reserved for the Answer-Back and Clear functions. The answer-back key is used to answer calls from other stations not currently assigned to a key. When a call is received, the answer-back key will flash. A push of the momentary answer-back key will allow you to respond to the call. Up to eight calls to the station can be stacked, and the Clear button allows the user to clear the first call and respond to the next call in the stack.

INDIVIDUALLY VARIABLE LISTEN LEVELS

The listen level of each and every key can be set to the level desired by the station operator. By pushing the Listen Level switch, the function is activated. Select any of the active listen keys, and use the Up and Down keys to adjust their levels to suit. Every station can provide its own monitoring "mix", tailored to the needs of the user, without affecting overall system audio levels.

FUNCTION KEYS

Six functions keys are available on the ICS-1008 and ICS-1016 stations. Speaker and microphone on/off switches are provided, along with a selector switch for headset or panel mic. A dual-mode switch is used for call signaling and to activate listen-level adjustments. Two additional keys have a default function of volume up and down, used in conjunction with the listen-level key. These keys may also be programmed to activate local-page-override and local-exclusive operations.

PROGRAMMING AND COMPATIBILITY

The ICS-1008, ICS-1016, and EXP-1016 are for use with Matrix Plus 3 systems running PGM-WIN Version 2.0+ configuration software – containing the software modules for these stations. The stations are backwards compatible (with some limitations) with Matrix Plus II systems. Any port of a MTX-A8 matrix card may be programmed to operate with these stations. The ICS-1008, ICS-1016, and EXP-1016 are compatible only with analog-transmission cards.

CONNECTIONS

The ICS-1008 and ICS-1016 stations connect with the intercom card frame with four-twisted-pair CAT-3 cable, via RJ-45 connectors on the station and the frame. The four-pair connection routes talk and listen audio signals, and provides data input and output paths. The EXP-1016 connects to either of the above stations via a DB-9 connector and the included cable. The intercom station powers the expansion panel.

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