



ECHO Flush or Surface Mount Hands-free Master Stations

Model E-ISM with E-SMB back box



Features

- Hands-free duplex voice communication
- Large LCD display
- All Master operation
- Private simultaneous speech paths
- One pair non-polar wiring

OPERATION

The E-IST / E-ISM Master Call Station can call any other station in the system and is capable of duplex hands free voice communication with the panel microphone and speaker. Since the digital central exchange can process calls simultaneously, there is no dial tone or delay. After keying in the digits, the call can be connected immediately. The key pad provides tactile and audible feedback for positive activation. The LCD display at each station shows the called and calling station ID. A station may be preset to any of four levels of privacy for receiving calls; Non-Private, Semi-Private, Full Privacy, and DND (do not disturb). The volume for voice and signal may be adjusted by means of the digital volume keys on the keypad.

EQUIPMENT

These compact stations are constructed of heavy gauge anodized aluminum with a mylar faceplate and are equipped with a standard 16 button keypad and LCD display with two-Lines of 16 characters. The unit is intended for indoor use with flush E-BB2 back box or E-SMB surface box.

DESCRIPTION

Federal Signal Model E-IST (Tactile Keypad) and Model E-ISM (Membrane Keypad) Duplex Intercom Master Call Stations provide efficient Hands free duplex two-way voice communications with an LCD visual status display. The station's digital signal processor instantly adjusts hands free volume levels to compensate for acoustically difficult locations while providing instantaneous high speed connections and clear, crisp voice quality from anywhere in the room. The large, easy-to-read LCD instantly provides vital information to identify the name and extension number of each calling party, provides Name and Number Directory as well as a comprehensive Help Menu as a guide to personalizing station features.



Model E-IST with E-SMB back box

Specification

Rated Input (drawn from the line):

- Voltage: 24VDC nominal
- Current idle = 250mA, connected = 650mA

Amplifier Output (loudspeaker):

- 1.0 Watt

Loudspeaker:

- Size: 2.5 in.
- Impedance: 45 ohms

Microphone:

- Type: electret receiver element
- Sensitivity: -70dB

Keypad:

- 16 Buttons

Volume Control:

- 30dB in 10 steps

Line Specifications:

- Attenuation: 24dB@160kb/s Max.
- Loop Resistance: 170 Ohm Max.
- Distance: 2km (1.2 mi.) Max.
- Cable: 1 twisted pair, non-shielded

Termination:

- Plug-in screw terminal, non-polar

Standards Compliance:

- Overvoltage and current: CCITT K20 and BELLCORE TR-NWT-000974

Dimensions W x H x D

- 120 x 254 x 44mm (4.75 x 10.0 x 1.75 in.)

Net Weight

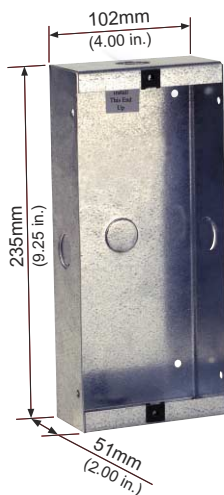
- 0.47kg (1.0 lbs.)

MODELS AVAILABLE	Description
E-IST	Master station with tactile keypad
E-ISM	Master station with membrane protected keypad

OPTIONS AVAILABLE	Short Description *
ECHO-FOTI	Fibre Optic Interface

* See separate leaflets for more information

Back Boxes for E-IS Series Master Stations



E-BB2

Back box for flush wall mounting.

Material

- Galvanised steel

Weight

- 0.230kg (0.5 lbs.)

E-SMB

Back box for surface wall mounting.

Material

- Anodised Aluminium

Weight

- 0.230kg (0.5 lbs.)



For the latest information on ECHO please visit: www.fs-echo.com

In the interests of product improvement we reserve the right to change specification or design without prior notice

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