



WALL MOUNT ECHO INTERCOM STATION

- **Hands-free duplex voice communication**
- **Place calls to one or two pre-determined locations**
- **Receive calls from any station in the system**
- **Remotely controlled contacts for gate/door activation**
- **Call status LED**
- **Remotely programmed using LCD stations or ECHO Windows® based software**

ECHO E-DD SERIES

Single and Dual Direct Dial Sub-Stations

The Federal Signal Models E-DD1 and E-DD2 Single and Dual direct dial substations provide efficient, hands free duplex two-way voice communications with single button call capability. Applications include doors, dock areas or any location where limited call selection is needed. The stations instantly adjust volume levels to compensate for high ambient noise levels while providing instantaneous high-speed connections.

The E-DD1 / E-DD2 direct dial substations may be preprogrammed to call any other station in the system. E-DD1 Single Call Station can call one location, E-DD2 Dual Call Station can call two locations. By pressing the Call button on the station, a call will be placed to the station at the preprogrammed location. A call may be canceled by depressing the cancel button. Built-in relay contacts may be activated from the calling Master Station for remote door control or anything that a normally open dry contact can initiate.

The E-DD stations are constructed of heavy gauge anodized aluminum with a rugged Mylar face plate. The E-DD1 Single Call Station is equipped with one Call and one Cancel button and a Call Placed LED. The E-DD2 Dual Call Station has two Call buttons, one Cancel button and a Call Placed LED. Both units have built-in, heavy-duty relay contacts. The units are intended for indoor use with flush E-BB2 Back box or E-SMB Surface Box.

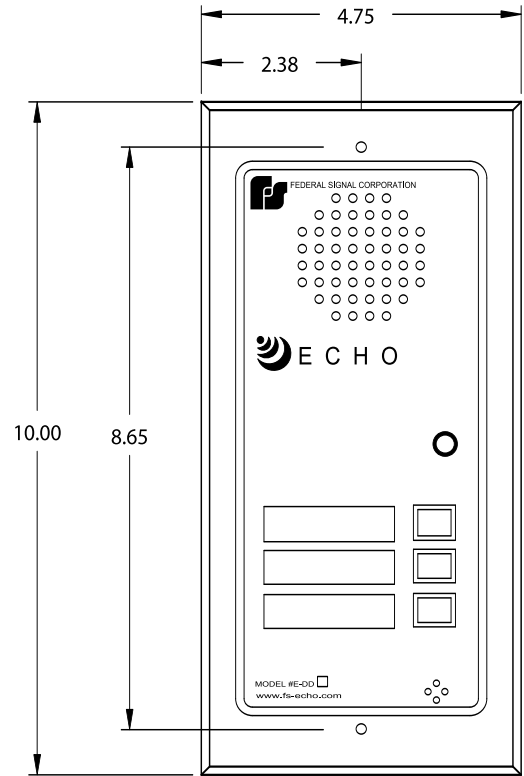
The E-DD stations may be programmed for call destination, volume level and other features using any LCD Station in the system or via the Windows based programming software Model ECHO-SFW.

 E C H O



SPECIFICATIONS

Operating Voltage:	24VDC nominal (line driven from ECHO control)
Current Idle:	250mA
Current Connected:	650mA
Microphone Type:	Electret
Microphone Sensitivity:	-70dB
Audio Output:	1.0 Watt
Loudspeaker Size:	2.5 in
Loudspeaker Impedence:	45 ohms
Volume Control via Keypad:	30dB in ten steps
Line Attenuation:	24dB@160kb/s Max
Loop Resistance:	170 Ohm Max
Distance:	2km (1.2 miles) Max
Cable:	One twisted pair, non-shielded
Termination:	Plug-in screw terminal, non-polar
Relay Switching Capacity:	5A at 24VDC 3A at 240VAC
Net Weight:	0.68kg (1.5 lbs)
Shipping Weight:	0.5kg (1.2 lbs)
Shipping Dimensions:	337cm x 181cm x 76cm (13.25" x 7.13" x 3")



MODELS AVAILABLE

E-DD1	Wall mounted single direct dial substation
E-DD2	Wall mounted dual direct dial substation

OPTIONS

ECHO-FOTI	Fiber Optic Interface
E-BB2	Back box for flush mounting
E-SMB	Back box for surface mounting

E-BB2 FLUSH MOUNT BACK BOX



Back box for flush wall mounting.

MATERIAL:
Galvanised Steel

WEIGHT:
0.230kg (0.5lbs)

E-SMB SURFACE MOUNT BACK BOX



Back box for surface wall mounting.

MATERIAL:
Anodised Aluminum

WEIGHT:
0.230kg (0.5lbs)

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