



## WALL MOUNT ECHO INTERCOM STATION

- Hands-free duplex voice communication
- Place calls to one or two predetermined 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

# Single And Dual Direct Dial Sub-Stations

## Model ECHO E-DD

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.

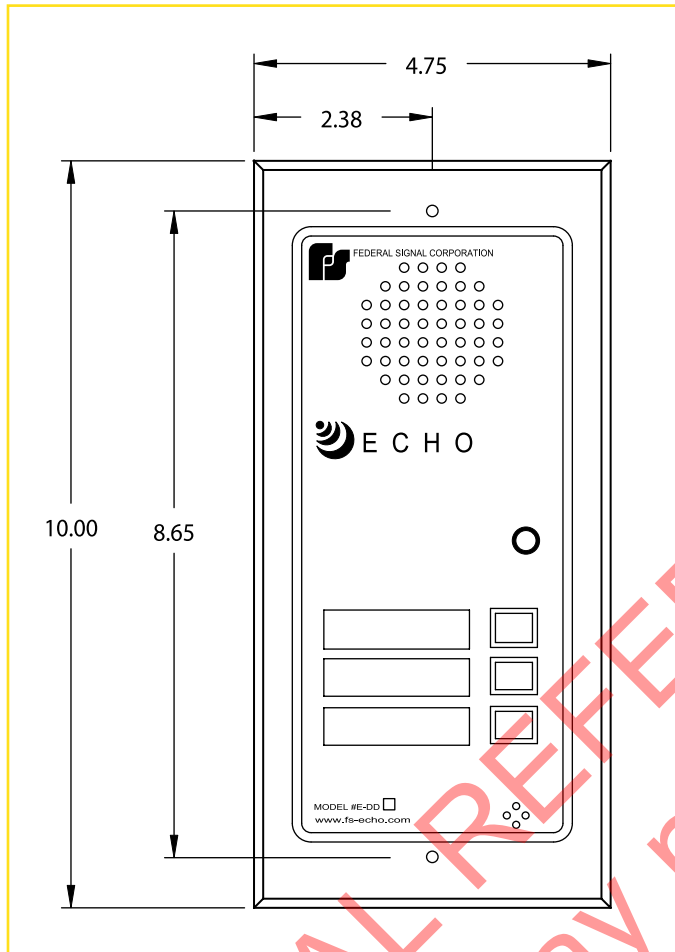
The E-DD stations are constructed of heavy gauge anodized aluminum with a rugged Mylar face plate. The E-DD1 Single Call Station is equipped with one Call and one Cancel button and a Call Placed LED. The E-DD2 Dual Call Station has two Call buttons, one Cancel button and a Call Placed LED. Both units 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.



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## SINGLE AND DUAL DIRECT DIAL SUB-STATIONS (E-DD1 / E-DD2)



### OPTIONS



**E-BB2 Flush Mount Back Box**  
Back Box For Flush Wall Mounting

**MATERIAL:**  
Galvanised Steel

**WEIGHT:**  
0.5 lbs / 0.230 kg

**E-SMB Surface Mount Back Box**  
Back Box For Surface Wall Mounting

**MATERIAL:**  
Anodised Aluminum

**WEIGHT:**  
0.5 lbs / 0.230 kg



### HOW TO ORDER

- Specify model:  
Wall mounted single direct dial substation (E-DD1)  
Wall mounted dual direct dial substation (E-DD2)
- Optional Accessories:  
Fiber Optic Interface (ECHO-FOTI)  
Back Box For Flush Mounting (E-BB2)  
Back Box For Surface Mounting (E-SMB)

### SPECIFICATIONS

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