



### EXPLOSION PROOF INTERCOM STATION

- Stainless steel hardware
- Super-bright LED indicator
- Tactile keypad
- Speed dial / auto conference
- Headset, gooseneck and handset options
- Output to powered loudspeaker
- Hinged front cover
- Designed for Type 4X
- UL and cUL Listed

# Explosion Proof Digital Intercom Stations

## Model ECHO E1

Federal Signal Model E1 ECHO Intercom Stations provide safe and efficient two-way voice communications in large and small ECHO Digital Intercom Systems. The E1 ECHO Station is designed and approved for use in Hazardous Areas including Class I, Division 1, Groups C and D; Class II, Division 1, Groups E, F and G; and Class III.

The E1 ECHO station provides instantaneous high-speed connections and clear, crisp digital voice quality. Each station offers single-button all call, priority emergency paging, group paging, speed dial, conference call, and relay output.

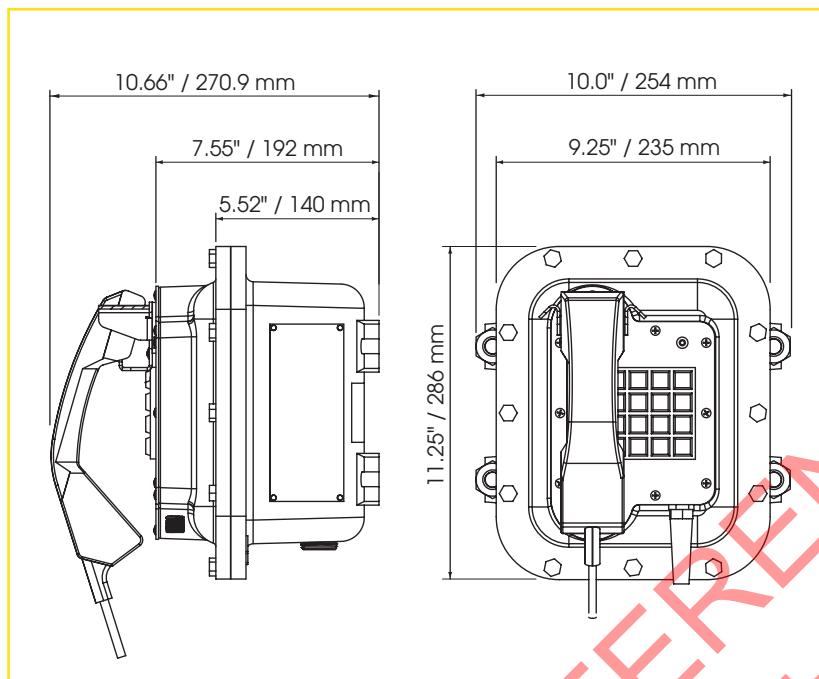
Any station can call any other station(s) in an ECHO Digital Intercom System. With the headset or gooseneck microphone options, each is capable of hands-free voice communication. Because the ECHO Digital Central Exchange provides 30 channels of simultaneous communication, calls are processed and connected immediately without dial tone or delay.

The E1 Station keypad is designed to provide tactile and audible feedback (via external powered speaker) for positive activation. Each station may be programmed for four levels of privacy for receiving calls; non-private, semi-private, full privacy and do-not-disturb. Volume for voice and signal levels are easily adjusted on the keypad.

Each E1 Station is constructed with a heavy duty, corrosion-resistant cast aluminum and a powder coated aluminum faceplate, equipped with weatherproof keypads, and is rated for use in Type 4X dust- and water-tight applications.



## EXPLOSION PROOF DIGITAL INTERCOM STATIONS (E1)



### HOW TO ORDER

- Specify model:

Station with Handset (E1-HND)

Station with Headset (E1-HDS)

E1-HND in 4X enclosure  
(E1-HND-4X)

E1-SM in 4X enclosure  
(E1-SM-4X)

E1-HDS in 4X enclosure  
(E1-HDS-4X)

Stubby Microphone, 65mm  
(E1-SM)

Gooseneck Microphone, 260mm  
(E1-GM1)

Gooseneck Microphone, 440mm  
(E1-GM2)

Gooseneck Microphone, 590mm  
(E1-GM2 E1)

### SPECIFICATIONS

Operating Voltage:	24VDC nominal (line driven from ECHO control)	Line Attenuation:	24dB@160kb/s Max
Current Idle:	25mA	Loop Resistance:	170 Ohm Max
Current Connected:	100mA max.	Distance:	1.2 miles 2.0 kms Max
Handset Microphone Type:	Dynamic	Cable:	One twisted pair, non-shielded
Handset Material:	Moulded Polycarbonate/ABS Blend	Cable Entries:	3 x 3/4" NPT
Handset Cord:	Stainless Steel	Operating Temperature Range:	-40°C to +65°C
Stubby Micropone Type:	Dynamic	Termination:	Din rail mount tensioned clamp terminals
Stubby Mic Sensitivity:	-54dB	Relay Switching Capacity:	3A at 240VAC
Stubby Mic Enclosure:	Stainless Steel	Net Weight:	25 lbs 11.4 kg
Audio Output:	2.7 Vrms / 1k ohm load	Shipping Weight:	30 lbs 13.6 kg
Volume Control via Keypad:	30dB in ten steps	Shipping Dimensions:	20.63" x 14.13" x 13.63" 524mm x 359mm x 346mm



E1-SM



E1-HDS