FEDERAL SIGNAL



Model ECHO E2 Series

Class I, Division 2 Digital Intercom Stations

The E2 Series ECHO Intercom Stations provide safe and efficient two-way voice communications in ECHO Digital Intercom Systems. The E2 Series ECHO Station is designed and approved for use in Hazardous Areas including Class 1, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups F and G; and Class III.

The E2 Series 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.

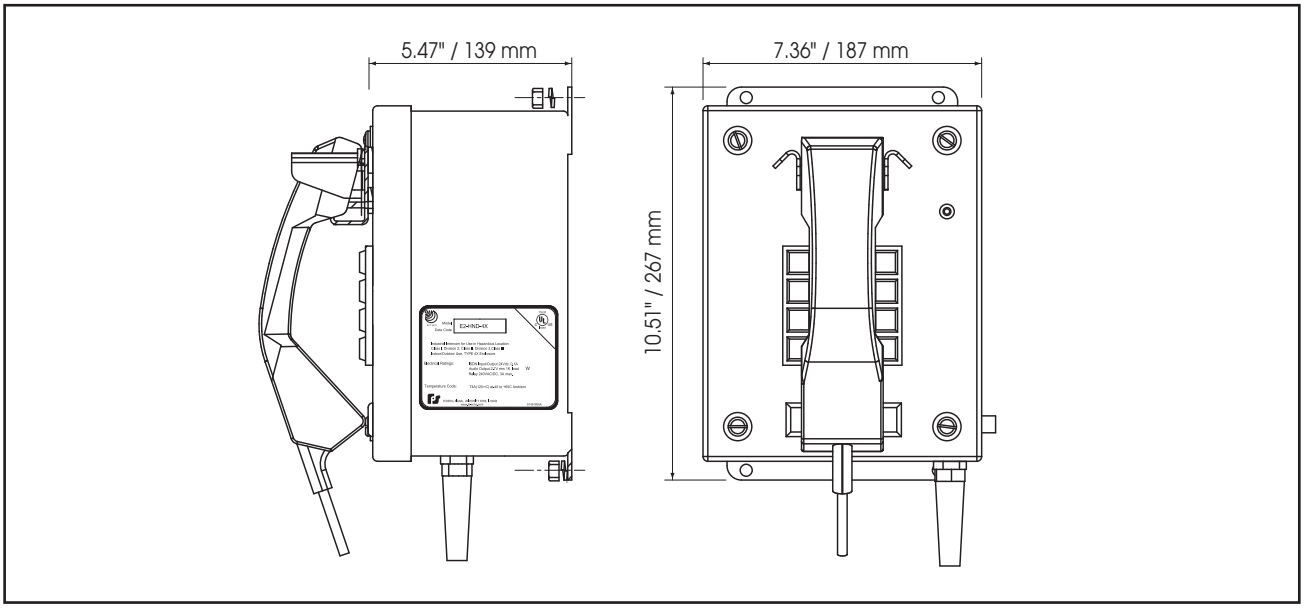
The E2 Series Station keypad is designed to provide tactile and audible feedback (via external powered loudspeaker) for positive activation. Each station may be programmed for four levels of privacy for receiving calls; non-private, semi-private, full privacy and do-not-disturb. Volume for voice and signal levels are easily adjusted on the keypad.

Each station is constructed of heavy duty, corrosion-resistant stainless steel, equipped with weatherproof keypads, and are rated for use in Type 4X dust- and water-tight applications.

FEATURES

- All stainless steel construction
- Super-bright LED indicator
- Tactile keypad
- Headset, gooseneck microphone and handset options
- Output to powered loudspeaker
- Designed for Type 4X, IP66
- CE Certified
- UL and cUL Listed

Class I, Division 2 Digital Intercom Stations (E2 Series)



SPECIFICATIONS

Operating Voltage:	24VDC nominal (line driven from ECHO control)
Current Idle:	25 mA
Current Connected:	100 mA
Handset Microphone Type:	Dynamic
Handset Material:	Molded Polycarbonate/ABS Blend
Handset Cord:	Stainless Steel
Stubby Microphone Type:	Dynamic
Stubby Microphone Sensitivity:	-54dBA
Stubby Microphone Enclosure:	Stainless Steel
Audio Output:	2.7 Vrms , 1k load
Volume Control via Keypad:	30dBA in ten steps
Line Attenuation:	24dBA@160kb/s Max
Loop Resistance:	170 Ohm Max
Distance:	1.2 miles 2 km Max
Cable:	One twisted pair, non-shielded
Cable Entries:	3 x 1/2"NPT (ø22mm) hole
Operating Temperature Range:	-50°C to +65°C
Termination:	Plug-in screw terminal, non-polar
Relay Switching Capacity:	3A at 240VAC

Net Weight:	9.9 lbs	4.5kg
Shipping Weight:	14.8 lbs	6.7kg
Shipping Dimensions:	20.63" x 14.13" x 13.63" 524mm x 359mm x 346mm	

HOW TO ORDER

Specify Model:

E2-HND – Station with Handset
E2-SM – Station with Stubby Microphone (65mm)
E2-HDS – Station with Headset
E2-HND-4X – E2-HND in 4X enclosure (IP66)
E2-SM-4X – E2-SM in 4X enclosure (IP66)
E2-HDS-4X – E2-HDS in 4X enclosure (IP66)
E2-GM1 – Gooseneck microphone, 260mm
E2-GM2 – Gooseneck microphone, 440mm
E2-GM3 – Gooseneck microphone, 590mm



E2-SM



E2-HDS



E2-SM-4X