



► Model ECHO EZ1 Series

Zone 1 Digital Intercom Stations

Federal Signal Model EZ1 Series ECHO Intercom Stations provide safe and efficient two-way voice communications in ECHO Digital Intercom Systems. The EZ1 Series ECHO Station is designed and approved for use in Zone 1 Hazardous Areas, Ex II 2 G EEx meib IIC T6.

The EZ1 Series ECHO ATEX 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.

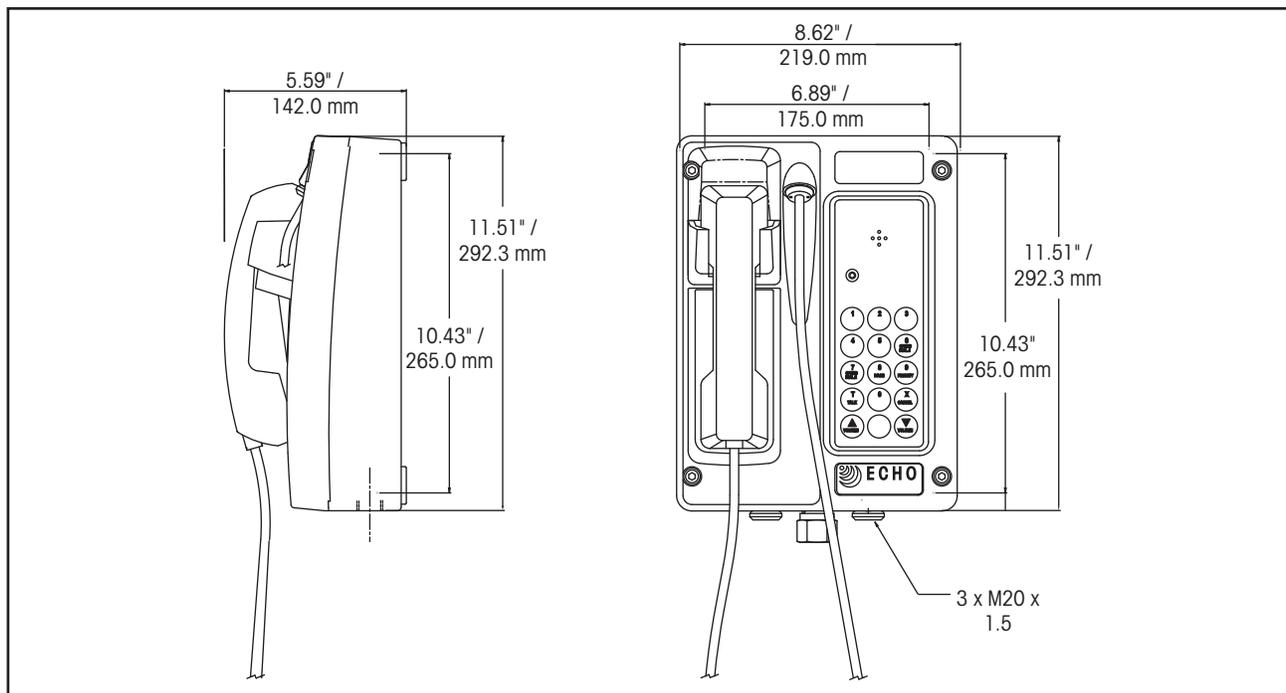
The Station keypad is designed to provide tactile and audible feedback (via external powered loudspeaker) for a positive activation. Each station may be programmed for four levels of privacy for receiving calls; non-private, semi-private, full privacy and do-not-disturb. Volume for voice and signal levels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

Each Station is constructed of heavy duty glass reinforced polyester (GRP), equipped with a weatherproof keypad, and are rated for use in IP66 dust- and water-tight applications. EZ1 Series Stations can be ordered with curly cord, stainless steel handset cord, stubby/gooseneck microphone or headset.

FEATURES

- Weather and corrosion resistant design
- Private full duplex handset communication
- Headset, gooseneck microphone and handset options
- Single touch speed dialing
- Group call, all-call, priority call, auto conference
- Simple one pair wiring
- Output to powered loudspeaker
- IP66
- CE and ATEX certified

Zone 1 Digital Intercom Stations (EZ1 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:	Moulded Polyurethane
Stubby Microphone Type:	Dynamic
Stubby Microphone Sensitivity:	-54dBA
Stubby Microphone Enclosure:	Stainless Steel
Audio Output:	2.7 Vrms / 1.0k Ohm load
Volume Control via Keypad:	30dBA in ten steps
Line Attenuation:	24dBA@160kb/s Max
Loop Resistance:	170 Ohm Max
Distance:	1.2 miles/2.0km Max
Cable:	One twisted pair, non-shielded
Cable Entries (bottom):	3 x M20
Operating Temperature Range:	-35°C to 50°C (T6)
Termination:	EExe screw terminal block
Relay Switching Capacity:	3A at 240VAC
Net Weight:	9.5 lbs / 4.3kg
Shipping Weight:	11.1 lbs / 5.1kg
Shipping Dimensions:	16.25" x 9.5" x 9.25" 413mm x 241mm x 235mm
Certificate Number:	BAS01ATEX2306X
Classification Marking:	II 2 G EEx meib IIC T6
Ingress Protection:	IP66 (IP65 on handset)

HOW TO ORDER

Specify Model:

EZ1-HND-C – Handset, .35m to 5m curly cord

EZ1-HND-S – Handset, 1.0m stainless steel cord

EZ1-JS – Jack station

EZ1-SM – Station with Stubby Microphone (65mm)

EZ1-GM1 – Gooseneck microphone, 260mm

EZ1-GM2 – Gooseneck microphone, 440mm

EZ1-GM3 – Gooseneck microphone, 590mm

OPTIONAL ACCESSORIES

Description	Part Number
Headset	K137200A-01
Potted relay assembly, EZ1	K8601241A
10m Headset extension cord	K1751234A
Handset with 2.5m to 15m curly cord (detachable)	K8601272A



EZ1-GM1



EZ1-SM

#850000781 Rev. A0