

# Model ECHO EWP Series Weather Proof Digital Intercom Stations



Federal Signal Model EWP Series ECHO Intercom Stations provide safe and efficient two-way voice communications in ECHO Digital Intercom Systems.

The EWP 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 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.

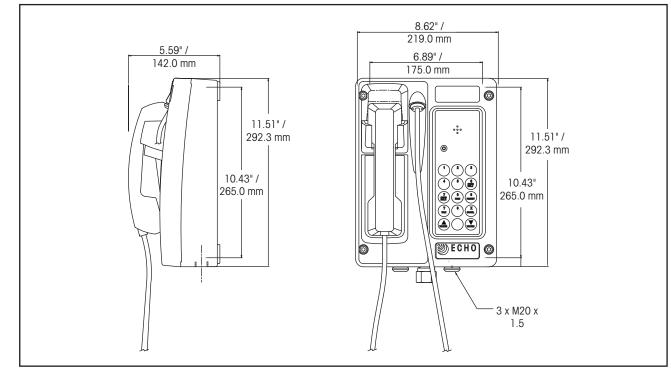
Stations can be ordered with polyurethane curly cord, stainless steel cord, headset (with optional extension), stubby microphone or gooseneck microphone.

#### 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
- Simple one pair wiring
- Output to powered loudspeaker
- IP66
- CE Certified

# Weather Proof Digital Intercom Stations (EWP Series)



## S P E C I F I C A T I O N S

| 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 Enclosur                      | e: 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:

EWP-HND-C – Handset, .35m to 5m curly cord
EWP-HND-S – Handset, 1.0m stainless steel cord
EWP-JS – Jack station
EWP-SM – Station with Stubby Microphone (65mm)
EWP-GM1 – Gooseneck microphone, 260mm
EWP-GM2 – Gooseneck microphone, 440mm
EWP-GM3 – Gooseneck microphone, 590mm

#### O P T I O N A L A C C E S S O R I E S

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