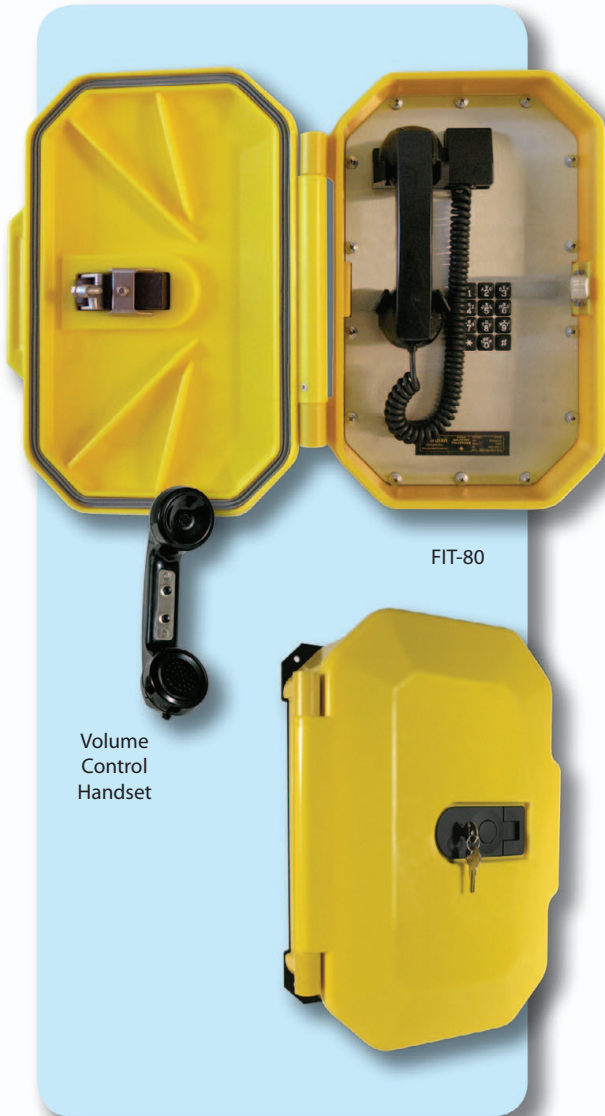


# FIT-80

## Food Industry Telephone



### FEATURES and BENEFITS

- Type 4X enclosure
- Stainless steel faceplate
- Metal keypad covered with teleseal for additional protection
- Heavy duty industrial volume control handset
- Modified circuit board for increased volume in high noise environments
- Circuit boards encapsulated in epoxy resin impervious to water and condensation
- Magnetic reed hook-switch to reduce the number of moving parts subject to wear
- Noise canceling microphone
- Surge arrestor
- Service temperature range from -76° to +176°F (-60° to +80°C)
- Mounting plate
- Spring loaded locking door
- Receiver is hearing aid compatible

### APPLICATIONS

Guardian's FIT-80 Food Industry Telephone was primarily designed to be the top of the line, water tight telephone to meet the high demands of the food industry. This also makes the FIT-80 ideal for use in a diverse range of other extreme moisture and corrosion applications including:

- Food Processing Plants
- Power Generation Facilities
- Cement Plants
- Waste Water Treatment Plants
- Construction Sites
- Highway Call Boxes
- Pulp & Paper Mills
- Any Outdoor Location
- Waterfront Locations
- Greenhouses
- Mines
- and more . . .

### INSTALLATION and CONNECTABILITY

To provide flexibility and the potential for growth, Guardian's telephones can be easily and economically connected to any telephone network through standard wiring and parts. Voice quality is unaffected when phones are connected within 15,000 feet (~ 4,600 meters) of a main telephone switch supporting single line telephones. Meeting safety standards may require special wiring conduits or other considerations. Order the FIT-80 Food Industry Telephone separately or as part of an integrated system.

Guardian's FIT-80 offers maximum efficiency under extreme environmental conditions. The sturdy urethane enclosure protects the internal circuitry against wind blown dust, rain, corrosion, splashing and high pressure water. The FIT-80 is approved with a CSA Type 4X rating, making it the ideal telephone for use in wet or corrosive atmospheres such as Food Processing Plants.

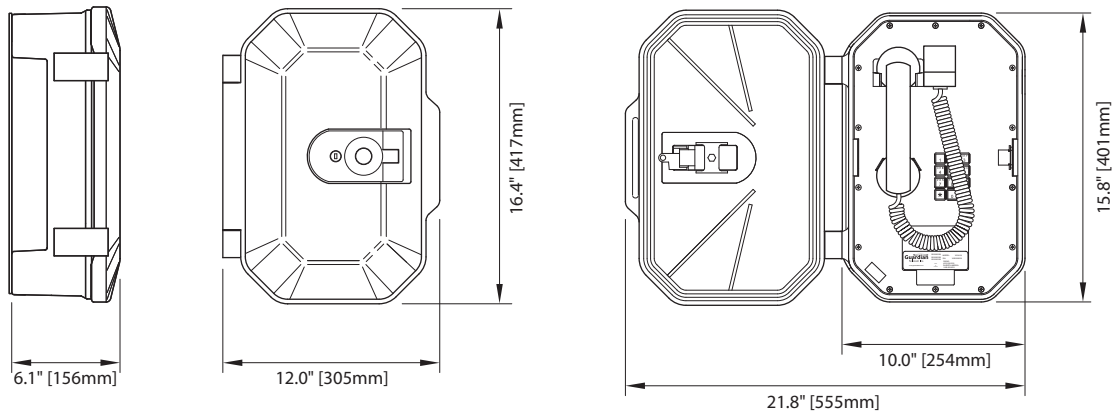
**Guardian**  
Telecom Inc.

ISO 9001 Today's Quality Creates Our Future

Sold by:

 **TWAcomm.com**  
<http://www.TWAcomm.com>  
Toll Free: (877) 389-0000

## OVERALL DIMENSIONS



FIT-80 Food Industry Telephone

## ENGINEERING SPECIFICATIONS

### ELECTRICAL PERFORMANCE

Audio Range Frequency Response	300 - 3400 Hz
Dialing Method	DTMF or 40/60 Pulse @10 PPS
Transmit Objective Loudness Rating (TOLR)	Nominal -38 +/- 3 dB
Receiver Volume Adjustment	3 Steps Up / 2 Steps Down 8.1dB / 5.1 dB
Receiver Objective Loudness Rating (ROLR)	Nominal 50 +/- 3 dB
- receiver volume at maximum	41.9 +/- 3 dB
- receiver volume at minimum	55.4 +/- 3 dB
Side Tone Objective Loudness Rating (SOLR)	Nominal 11 +/- 4 dB
- receiver volume at maximum	7 +/- 4 dB
- receiver volume at minimum	14 +/- 4 dB
Ringer Output	>75 dB
FCC Ringer Equivalence	0.8 B
Set Impedance	600 Ohms Nominal
Maximum Loop	15Kft ( ~4,600m ) of 22 AWG Wire

### ELECTRICAL REQUIREMENTS

Ringer Sensitivity	40 -100 V, 16 - 25 Hz
Line Voltage	24 - 56 VDC
Loop Current	20 - 120 mA
Connection Method	Surge Arrestor
Fuse	1/4 AMP 250 Volt 3AG Fast Blow

### MECHANICAL SPECIFICATIONS

Hook Switch ( Cradle Switch ) Life	>1 000 000 Operations
Body Construction	Polyurethane
Face Plate	Stainless Steel
Net Weight	16 lbs ( 7.3 kg )
Shipping Weight	22.0 lbs ( 10.0 kg )
Shipping Dimensions ( L x W x D )	20.0" x 15.0" x 11.5" ( 508 x 381 x 293 mm )
Hand Set Construction	High Impact ABS
Mounting	Vertical Wall
Microphone	Noise Reducing Electret
Receiver	Hearing Aid Compatible
Hardware Material	Stainless Steel

### ENVIRONMENTAL

Waterproof Enclosure	CSA Type 4X
Temperature	-76° to +176°F ( -60° to +80°C )
Humidity	0 - 95% RH Non-Condensing
Dust & Corrosion Resistant	Fully Gasketed Faceplate

### COMPLIANCE

Industry Canada	1012-6721A
FCC	HQHCAN - 22517 - TE - E

### ORDERING INFORMATION

Warranty: One year parts and labor

Order Number	Description
P6484	FIT-80 Metal Keypad/Curly Cord, Volume Control Handset

Distributed by:



Guardian pursues a policy of continuous improvement, therefore specifications are subject to change without notice.

**Guardian**  
Telecom Inc.

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