



► Model FT400BX

Explosion-Proof, Weatherproof Hazardous Area Industrial Telephone

The Federal Signal model FT400BX has been developed for operation in the petro-chemical industry, on off-shore plants, in mills and harbours. It is resistant to large temperature differences, air humidity, sea water, dust and strong mechanical wear and tear. It is certified for use in hazardous dust and gas atmospheres. The housing is made of impact resistant and shockproof glass fiber reinforced polyester (GRP) and is resistant to acids, sea water, alkalis, moisture and grease.

The FT400BX is completely programmable and has been equipped with a 21-piece stainless (V4A) steel keypad designed for use with gloves. Letters and figures are presented clearly on the alphanumeric display. The FT400BX also boasts all the convenient features that have become standard in the field of office communication.

FEATURES

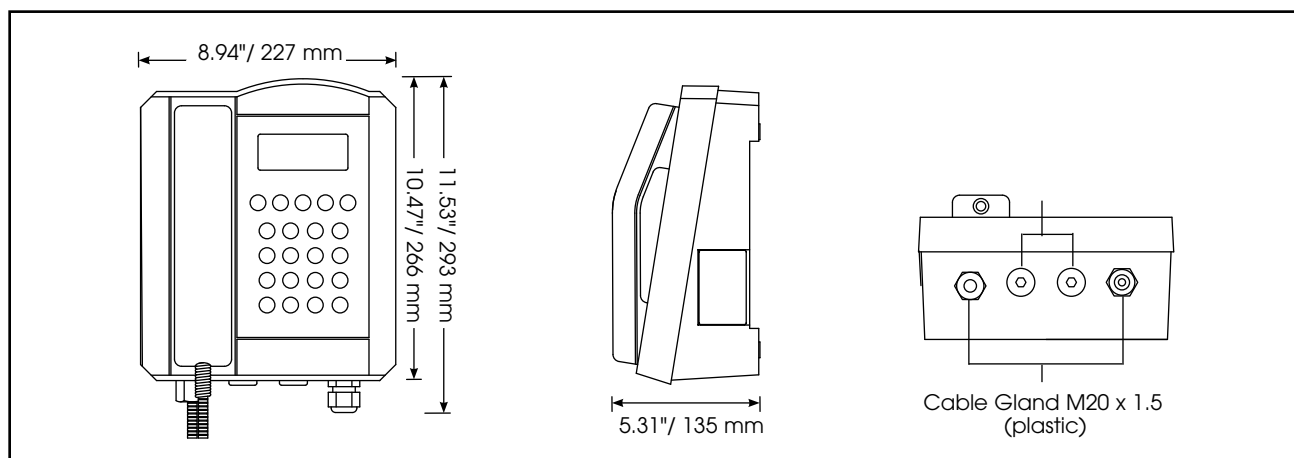
- Hands free
- 2 line alphanumeric display
- 10 selectable melodies
- Optional hand and headset accessories
- NEMA 4X option
- IP66 enclosure
- CE and UKCA compliant
- ATEX and IECEx Approved

MODEL	VOLTAGE	OPERATING CURRENT
FT400BX	24VDC to 66VDC	15mA to 100mA

ATEX



Explosion-Proof, Weatherproof Hazardous Area Industrial Telephone (FT400BX)



SPECIFICATIONS

CONNECTIONS

Types of Protection: II 2G Ex e mb [ib] IIC T5 Gb
 II 2G Ex e mb [ib] IIC T6 Gb
 II 2D Ex tb [ib] IIIC T100°C Db
 II 2D Ex tb [ib] IIIC T80°C Db
 -25°C<Ta<60°C-25°C<Ta<40°C

Approval: DMT 02 ATEX E 183, IECEx BVS 14.0056

Line Voltage: 24VDC to 66VDC

Line Current: 15mA to 100mA

Ringing Alternate Current: 24VAC to 90VAC (at 21-54Hz)
 30VAC to 90VAC(at 16.6-54Hz)

Ringing Impedance: Greater than 6.0KΩ at 25Hz and 24-90VAC
 Greater than 4.0KΩ at 50Hz and 24-90VAC

Inquiry Key: Flash function adjustable from 40ms to 399ms

Dialing Procedure: PD-DTMF operation to be set in the menu
 DTMF operation according to the CCITT recommendation
 Q.23.PD operation where the pulse/pause ratio can be set to
 1.5:1 or 2:1 in the menu

W-Conductor: Connection for external secondary sounder

Screw Terminals: Up to 4mm² rigid. Up to 2.5mm² flexible

HOUSING

Material: Glass Fiber-Reinforced Polyester

Display: 2-line alphanumerical display with pictograms
 Visible area approx. 3.07" (78mm) x 1.02" (26mm)

Keypad: Metal keypad with ice protection
 21 keys with ABC lettering for name entries

RECEIVER

Stabilizer Bracket: Integrated, adjustable stabilizer bracket

Handset Cord: Stainless steel (V4A) armoured handset cord

Receiver Inset: Dynamic receiver inset with leakage field spool
 For inductive coupling of hearing aids

Mouthpiece: Electret-foil microphone

ENVIRONMENTAL CONDITIONS

Degree of Protection: IP66 according to EN60529

Impact Protection: IK09 according to EN50102

Operation Temperature: -25°C to 60°C for temperature class T5
 -25°C to 40°C for temperature class T6

FURTHER CHARACTERISTICS

Ringing Sound Pressure Level: Approx 90dBA at 1m distance

Ringing Melodies 10 melodies selectable

Listening by Loudspeaker: Maximum sound pressure level
 approx. 68dBA at 1m distance

Handsfree Operation: Maximum sound pressure level
 approx. 68dBA at 1m distance

Amplified Listening in Receiver: Receiver volume can be boosted
 in 7 steps from 0-12dBA

Menus: In several languages

Telephone Directory: Max. 50 entries (names & numbers)

Height: 10.47" 266mm

Width: 8.94" 227mm

Depth: 5.31" 135mm

Weight: 12.12 lbs 5.5 kg

HOW TO ORDER

Specify Model:

FT400BX – M20 entries

FT400BX-4X – NEMA 4X

FT400BX-NPT – 1/2" NPT entries

FT400BX8F-NPT – 8 foot cord with 1/2" entries

FT401BK – no keypad

OPTIONAL ACCESSORIES

Description

Headset
 Handset 2m cord

Part Number

X-11286104
X-11286109