



EXPLOSION-PROOF INDUSTRIAL TELEPHONE Model FT400BX

Hazardous Area Telephone

EXPLOSION-PROOF, WEATHERPROOF INDUSTRIAL TELEPHONE

- *Hands Free*
- *Temperature range -25°C to 60°C*
- *ATEX and IECEx Approved*
- *IP66*
- *2 Line Alphanumerical Display*
- *10 Selectable Melodies*
- *Headset Option*

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 alphanumerical display. The FT400BX also boasts all the convenient features that have become standard in the field of office communication.

A string of optional extras and components certified for hazardous areas are available.

ATEX   
GOST R & K
(option available)

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 **FEDERAL SIGNAL**
Safety and Security Systems
Protecting people and our planet

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] IIC T100°C Db II 2D Ex tb [ib] IIC 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

Height: 266mm

Width: 227mm

Depth: 135mm

Weight: 5.5kg

Display: 2-line alphanumeric display with pictograms

Visible area approx. 78mm x 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

Storage Temperature: -250°C to 70°C

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

Maximum sound pressure level

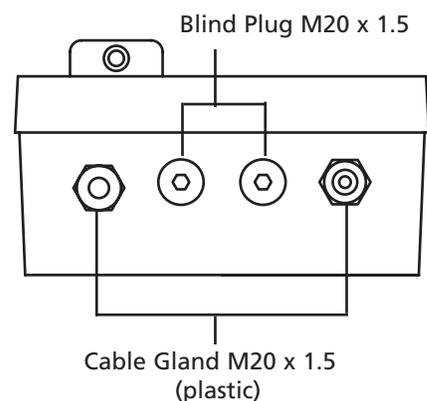
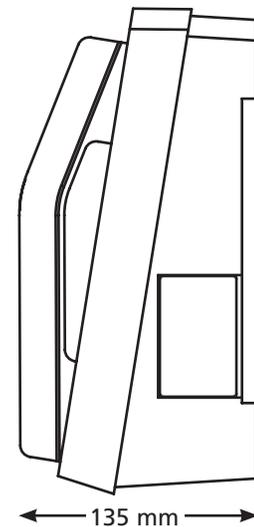
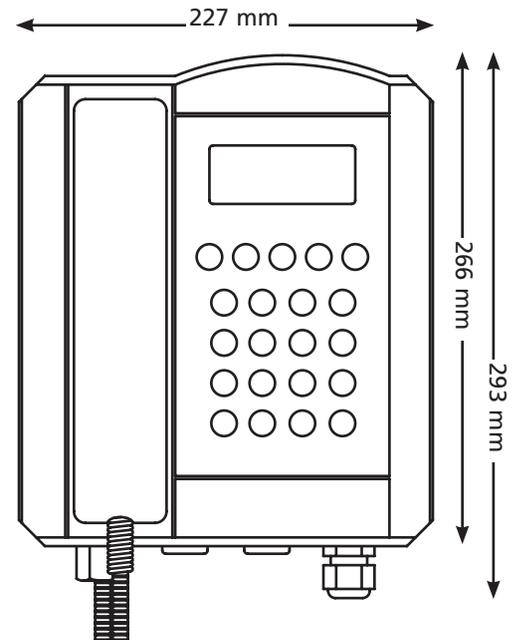
approx. 68dBA at 1m distance

Receiver volume can be boosted

in 7 steps from 0-12dBA

Menus: In several languages

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



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ORDERING CHART

FT400BX (M20 entries)

FT400BX-HDS (headset)

FT400BX-NPT (1/2" NPT entries)

FT400BX8F-NPT (8 foot cord w/ 1/2" entries)

FT401BK (no keypad)

Optional Items

X-11286104 (headset)

X-11286109 (handset 2m cord)

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