



**EXPLOSION-PROOF,  
WEATHERPROOF  
INDUSTRIAL TELEPHONE**

**EXPLOSION-PROOF  
INDUSTRIAL TELEPHONE  
Model FT400BX**

**Hazardous Area 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.

- *Hands Free*
- *Temperature range -55° C to 60°C*
- *DMT 02 ATEX E 183 Approved*
- *IP 66*
- *2 Line Alphanumerical Display*
- *10 Selectable Melodies*
- *Headset Option*

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**            **CE**

**GOST R & K**  
(option available)

## Specifications

### Connections

Types of Protection:	II 2 G EEx em[ib] IIC T5 II 2 D IP66 T100°C -25°C ≤ T <sub>a</sub> ≤ 60°C	II 2 G EEx em[ib] IIC T6 II 2 D IP66 T80°C -25°C ≤ T <sub>a</sub> ≤ 40°C
Approval:	DMT 02 ATEX E 183	
Line Voltage:	24 VDC to 66 VDC	
Line Current:	15 mA to 100mA	
Ringing Alternate Current:	24VAC to 90VAC (at 21-54 Hz) 30VAC to 90VAC(at 16.6-54 Hz)	
Ringing Impedance:	Greater than 6.0KΩ at 25 HZ and 24-90 VAC Greater than 4.0KΩ at 50 Hz and 24-90 VAC	
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 4mm <sup>2</sup> rigid. Up to 2.5mm <sup>2</sup> flexible	

### Housing

Material:	Glass Fiber-reinforced polyester
Height:	266 mm
Width:	227 mm
Depth:	135 mm
Weight:	5.5 kg
Display:	2-line alphanumeric display with pictograms Visible area approx. 78 mm 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:	IP 66 according to EN60529
Impact Protection:	IK 09 according to EN50102
Operation Temperature:	-55°C to 60° for temperature class T5 -55°C to 40°C for temperature class T6
Storage Temperature:	-25°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
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)

## 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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