



► Model FT400A-A

Industrial Desk / Wall Telephone – Zone 1

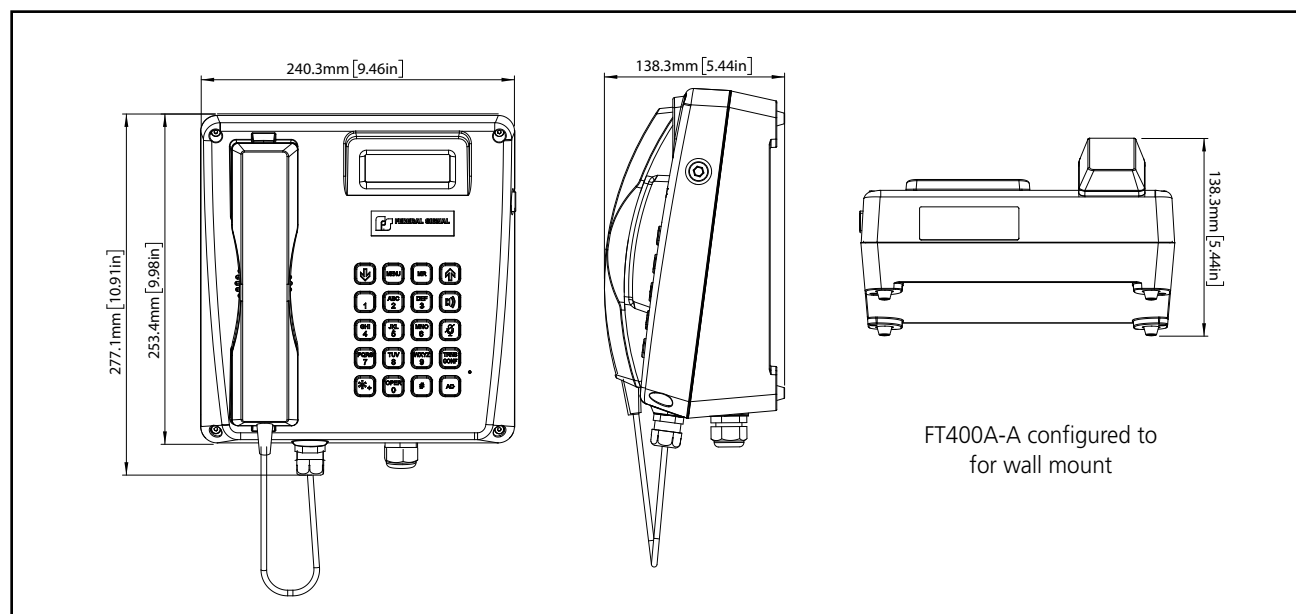
FEATURES

- ATEX/IECEx - Zone 1, Zone 21 certified - T5 and T6 rated
- Wide temperature range from -22°F to +140°F (-30°C to +60°C)
- IP66, static dissipative, high impact thermoset industrial housing and handset
- Reversible base for desktop or wall mount configurations
- Audio modes - handset and hands-free speaker phone or customer provided headset
- Corrosion resistant hardware
- Noise canceling microphone
- Self resetting fuse prevents damage to the electronic circuits in the event of a high voltage spike on the telephone line
- Magnetic reed hook switch to reduce parts subject to wear
- Factory set to tone (DTMF) Operation
- Pulse dialing can be software configured in the field, 40:60 or 33:66
- Removable handset retainer latches on cradle
- Urethane coated watertight silicon keypad
- Link, Release, Redial and Flash keys
- Hearing-aid compatible (HAC) receiver
- Receiver Volume Control provides user with a 16 dB range
- Ergonomic heavy duty handset
- Built in ring detect relay to switch up to 240V @ 5 amps
- Back lit LCD display - 2 line x 16 character: English, French or Spanish
- 20 number memory including 10 single quick dial numbers
- Programmable auto hang-up timer
- Two M20 and one M12 gland entries
- Field repairable by authorized personnel
- Does not require external power – operates on telephone line power
- 5 year warranty

APPLICATIONS

- | | | |
|-----------------------|---------------------------------|----------------------------|
| • Chemical Plants | • Oil & Gas Metering Facilities | • Offshore Drilling Rig |
| • Fueling Stations | • Munitions Storage Depots | • Bulk Loading Stations |
| • Fertilizer Plants | • Breweries and Distilleries | • Land-based Drilling Rigs |
| • Missile Silos | • Tanker and Tanker Depots | • Defense Installations |
| • Refineries | • Petrochemical Plants | • Gas Plants |
| • Paint Manufacturing | • Liquefied Natural Gas (LNG) | • Mines |
| • Terminals | • Sewage Treatment Plants | |

Industrial Desk/Wall Telephone - Zone 1 (FT400A-A)



SPECIFICATIONS

ELECTRICAL PERFORMANCE

| | |
|--|---|
| Audible Range Frequency Response | 300 - 3400 Hz |
| Hands Free Speaker Output (Max @ 1KHz) | ~85dB @ 1 Meter |
| Transmit Objective | |
| Loudness Rating (TOLR) | Nominal -38.5 +/- 3 dB |
| Receiver Volume Adjustment | 8 Steps, 2 dB/Step |
| Receiver Objective | |
| Loudness Rating (ROLR) | Nominal 50 +/- 3 dB |
| – receiver volume at maximum | 42 +/- 3 dB |
| – receiver volume at minimum | 58 +/- 3 dB |
| Quick Dial | 10 Registers of 20 Digits Each |
| Flash | 280/600 mSec Timed Disconnect |
| Redial | 31 Digits Maximum |
| Ringer Output | 85 dB @ 1M |
| Ringer Impedance | |
| without Ring Detect Relay | >7K Ohms @25 Hz, 30-90 VAC |
| | >4K Ohms @ 50Hz, 30-90 VAC |
| Ringer Impedance | |
| with Ring Detect Relay | >4K Ohms @25 Hz, 30-90 VAC |
| (RDR Not Recommended @ 50Hz) | |
| Set Impedance | 600 Ohms Nominal |
| Maximum Loop | 15kft (~4,600m) of 22 AWG Wire |
| North American Configuration1 | |
| Dialing Method | DTMF 40:60 Pulse @10 PPS |
| European Configuration1 | |
| Dialing Method | DTMF or 33:66 Pulse @10 PPS |
| Conforms To | Residential and Industrial Areas |
| | ETSI TBR 38: May 1998 (Acoustics) |
| | ETSI TBR 21: January 1998 (Telephone Network) |

ELECTRICAL REQUIREMENTS

| | |
|---------------------------|-------------------------|
| Ringer Sensitivity | 40 -100 V, 16 - 25 Hz |
| Line Voltage | 24 - 56 VDC |
| Loop Current | DTT-Z: 26 - 100 mA |
| Connection Method | Terminal Blocks |
| Fuse – Main Telephone CCT | 250 mA – Auto Reset |
| Ring Detect | |
| Relay Contacts (Fused) | 5 Amp 250 VAC Fast Blow |

MECHANICAL SPECIFICATIONS

| | |
|------------------------------------|---|
| Hook Switch (Cradle Switch) Life | >1 000 000 Operations |
| Housing Material | High Impact Thermoset Compound |
| Handset Material | High Impact Thermoset Compound |
| Net Weight | 8.68 lbs (3.95 kg) |
| Mechanical Dimensions | 241mm[9.5"] W x 273mm [10.76"] L x 139mm [5.5"] H |
| Shipping Weight | 10.7 lbs (4.9 kg) |
| Shipping Dimensions | |
| (L x W x D) | 16.0" x 10.5" x 9.5" (407 x 267 x 242 mm) |
| Mounting | Desk or Wall |
| Microphone | Noise Canceling |
| Receiver | Hearing Aid Compatible (HAC) |
| Hardware Material | Stainless Steel |
| Wiring Access | 2 x M20 & 1 x M12 |
| | Cable Gland Entry Points |

ENVIRONMENTAL

Corrosion Resistant & Dustproof Full Gasket Faceplate

Operating Temperature -22°F to +140°F (-30° to +60°C)*

* The LCD may become non-responsive in temperatures under -20°C (-4°F)

Ingress Protection Rating IP66

Humidity 0 to 95% RH

COMPLIANCE

ATEX/IECEX - Zone 1, Zone 21

Ex eb ib mb IIC T5 Gb

Ex ib mb IIIC T100 °C Db

-30 °C ≤ Ta ≤ +60 °C

Ex eb ib mb IIC T6 Gb

Ex ib mb IIIC T85 °C Db

-30 °C ≤ Ta ≤ +45 °C

ATEX: TRAC09ATEX21205X

IECEX: IECEX EMT 22.0009X

Description**Part Number**Zone 1 Analog Telephone, 24" armored handset
cord, noise canceling microphone, 20 button
keypad, LCD display, internal ring detect relay, IP66

FT400A-A

Optional adapter plate for compatibility
with previous FT400BX mounting

FTADPTR