

For Hazardous and Corrosive Areas UL Approved Nonincendive
Rated Class 1, Div. 2 Groups A, B, C & D



Introduction

FHF's new ExResistTel Industrial Telephone for Division 2 has been developed specifically for the harsh environments found in the process industries – for onshore chemical and petro-chemical plants, offshore platforms, in mills and in harbors. The telephone can handle the large temperature differences found outdoors, high humidity, exposure to sea water and dust, as well as heavy mechanical wear and tear. It is simply the most rugged and reliable telephone available in the world today.

Features

- Handsfree
- Temperature range -4°F to +104°F
- Certified for dust and gas atmospheres
- Display
- IP 66 EN 60529
- different housing colours

Application Example:

Telephones offshore

The housing is made of impact-resistant and shockproof glass fibre reinforced polyester and is resistant to acids, sea water, alkalis, moisture and grease.



Certification and Specification

Electrical Specifications

Hazardous:	Area Rating Class1, Division 2 Groups A, B, C, D T6.
Approval:	UL, Nonincendive.
Line Voltage:	24 VDC - 56.5 VDC.
Line Current:	15 mA - 100 mA.
Ringing AC:	30 VAC- 150 VAC (at 16.6 - 54 Hz ringing frequency).
Ringing Impedance:	Greater than 5.0 K \geq @ G2 VAC & 15.3 - 68 Hz.
Inquiry Key:	Flash function adjustable from 40-399 ms.
Dialling Procedure:	PD or DTMF operation set in menu DTMF operation according to ITU-T rec. Q.23. PD operation where the pulse/pause ratio can be set to either 1:5:1 or 2:1. Connection for external secondary sounder.
W-Conductor:	Up to 4 mm rigid or 2.5 mm flexible (wire gauge).
Screw Terminals:	

Housing

Material:	Glass fibre-reinforced polyester.
Dimensions:	Approx. 10.5" x 9" x 5.3" (260 x 228 x 135mm).
Weight:	12 lb. (5.5 kg).
Display:	2 line alphanumeric display, visible area approx. 3" x 1"
Keypad:	316 SS Metal keypad with ice protection. 21 keys with embedded lettering.

Receiver

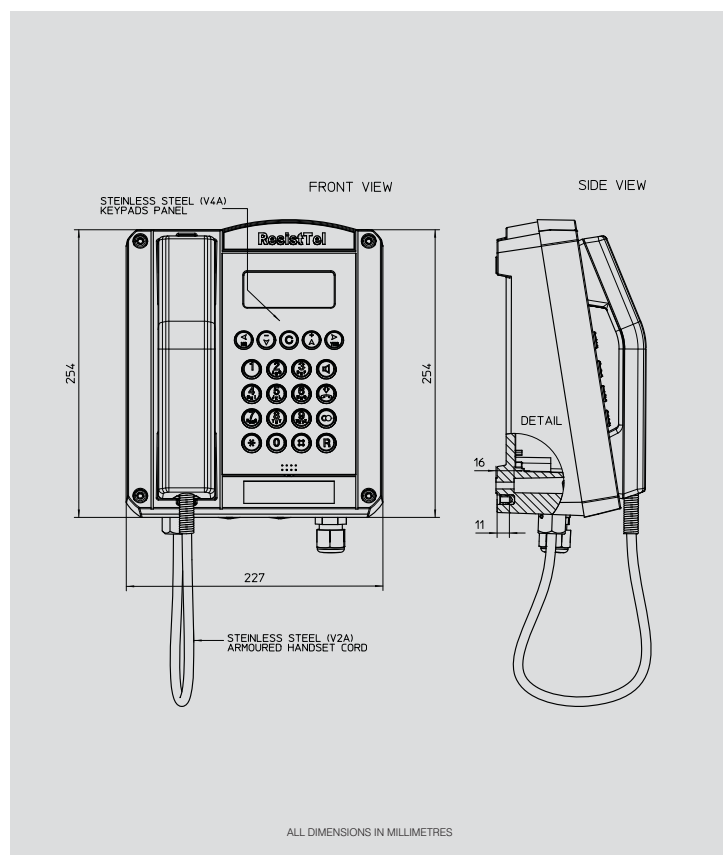
Stabilizer bracket:	Integrated and adjustable.
Handset cord:	Stainless steel (V4A) armoured handset cord.
Receiver inset:	Dynamic receiver inset with leakage field spool for inductive coupling of hearing aids.
Mouthpiece:	Electret-foil microphone.
Noise Suppression:	Greater than 3 dB.

Environmental Conditions

Enclosure Protection:	Type 4X - IP 66 acc. to EN 60529.
Impact Protection:	IK 09 acc. to IEC 50598.
Operating Temperature:	-4°C to +104°C.

Additional Characteristics

Optical Call Signalling:	Display shows a bell.
Ringing sound pressure level:	Approx 90 dB (A) at 1m distance.
Ringing melodies:	10 melodies selectable.
Listening by loudspeaker:	Max. 68 dB (A) at 1m distance.
Handsfree operation:	Max. 68 dB (A) at 1m distance.
Amplified listening in receiver:	Receiver volume can be boosted in 7 steps from 0 +/- 12 dB (A).
Menus:	Available in several languages, selectable.
Telephone Directory:	Max. 50 entries (names and phone numbers).



Ordering Information

Type	Description	Article no.
ExResistTel	UL Telephone	F112 861 01 110
Accessories	Additional earpiece	F112 861 03
Accessories	Additional headset	F112 861 04
Accessories	Loudspeaker set	F112 861 05
Accessories	Secondary sounder	F211 842 06
Accessories	Protection hood, hot galvanized	F118 901 01
Accessories	Protection hood, stainless steel	F118 901 11

Note: Accessories are not UL approved