



Ex II-Telephone ExResistTel

Explosion-proof, weatherproof Industrial telephone

- ▶ Handsfree
- ▶ Temperature range
-25°C to +60°C
- ▶ Certified for dust and gas atmospheres
- ▶ Display
- ▶ IP 66 EN 60529

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Application

Communication devices for use in hazardous areas in the industry have to be especially well adapted to the extreme operating conditions they will be exposed to.

Our new Ex-telephone has been developed for operation in the petrochemical industry, on off-shore plants, in mills and harbours, which means 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 Ex-ResistTel 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 Ex-ResistTel also boasts all the convenient features that have become standard in the field of office communication.

A string of optional extras and components – especially certified for hazardous areas – makes our telephone even more functional.

Our Ex-ResistTel is the correct decision for a safe connection – convenient and reliable in hazardous areas.

Telephoning in the off-shore

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



Connections

Types of protection	II 2 G EEx em[ib] IIC T5 II 2 D IP66 T100°C -25°C ≤ T _a ≤ 60°C	II 2 G EEx em[ib] IIC T6 II 2 D IP66 T80°C -25°C ≤ T _a ≤ 40°C
Approval	DMT 02 ATEX E 183	
Line voltage	24 V _{DC} to 66 V _{DC}	
Line current	15 mA _{DC} to 100 mA _{DC}	
Ringing alternating current	24 V _{AC} to 90 V _{AC} (at 21...54 Hz ringing frequency) 30 V _{AC} to 90 V _{AC} (at 16,6...54 Hz ringing frequency)	
Ringing impedance	Greater than 6,0 KΩ at 25 Hz and 24...90 V _{AC} . Greater than 4,0 KΩ at 50 Hz and 24...90 V _{AC} .	
Inquiry key	Flash function adjustable from 40ms to 399ms	
Dialling 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 4 mm ² rigid. Up to 2.5 mm ² flexible.	

Housing

Material	Glass-fibre-reinforced polyester
Height x Width x Depth	Approx. 266 mm x 227 mm x 135 mm
Weight	Approx. 5.5 kg
Display	2-line alphanumeric display with pictograms. Visible area approx. 78 mm x 26 mm.
Keypad	Metal keypad with ice protection. 21 keys with ABC lettering for name entries.

Receiver

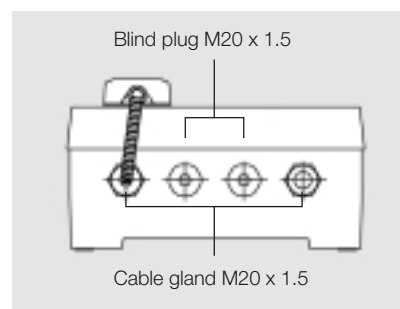
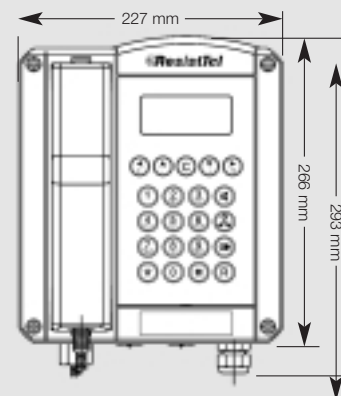
Stabilizer bracket	Integrated, adjustable stabilizer bracket.
Handset cord	Stainless steel (V4A) armoured handset cord.
Receiver inset	Dynamic receiver inset with leakage field spool for inductive coupling of hearing aids.
Mouthpiece	Electret-foil microphone
Noise suppression	Greater than 3dB due to integrated mouthpiece horn mouth.

Environmental conditions

Degree of protection:	IP 66 according to EN60529
Impact protection:	IK 09 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:	-25°C to +70°C

Further characteristics

Optical call signalling	Display shows ((🔔)))
Ringing sound pressure level	Approx. 90 dB(A) at 1m distance
Ringing melodies	10 melodies selectable
Listening by loudspeaker	Maximum sound pressure level approx. 68 dB (A) at 1m distance.
Handsfree operation	Maximum sound pressure level approx. 68 dB (A) at 1m distance.
Amplified listening in receiver	Receiver volume can be boosted in 7 steps from 0–12 dB(A).
Menus	In several language
Telephone directory	Max. 50 entries (names and numbers)



* The complete product number (P/N) can be found by combining the P/N and the colour code of the cap colours.

Ordering Data

Type	Product name	Version	P/N	Type	Product name	Version	P/N
Ex-ResistTel	EEx II telephone		112 861 01	Accessories	EEx II secondary sounder		211 842 06
Ex-ResistTel	EEx II telephone ZB	without Keypad and Display	112 861 02	Accessories	Protection hood	Hot galvanized	118 901 01
Accessories	EEx II additional earpiece		112 861 03	Accessories	Protection hood	Stainless steel	118 901 11
Accessories	EEx II additional headset		112 861 04	Accessories	EEx II TWIN		118 833 ..*
Accessories	EEx II loudspeaker set		112 861 05	Cap colours: transparent 01, red 02, yellow 03, green 04, blue 05			