

ExII-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
- ▶ different housing colours



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 Ex-telephone has been developed for operation in the petro-chemical 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 ExResistTel 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 ExResistTel 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.

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.



Technical 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] IIIC T100 °C Db	II 2D Ex tb [ib] IIC T80 °C Db
	-25 °C ≤ T _a ≤ 60 °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 40 ms to 399 ms
Dialling procedure	PD-DTMF operation to be set in the menu. 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 alphanumerical 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

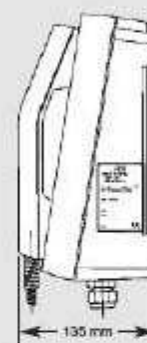
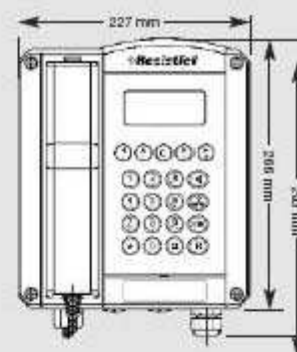
Stabilizer bracket	Integrated, adjustable stabilizer bracket
Handset cord	Stainless steel (V4A) armoured handset cord
Receiver inset	Dynamic receiver inset with leakage field spool for inductive coupling of hearing aids
Mouthpiece	Electret-foil microphone
Noise suppression	greater than 3dB due to integrated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

Environmental conditions

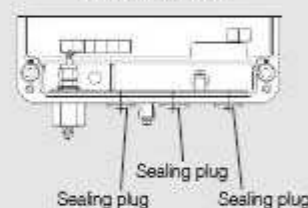
Degree of protection	IP 66 according to EN60529
Impact protection	IK 09 according to EN50102
Operation temperature	-25 °C to +60 °C for temperature class T5 -25 °C to +40 °C for temperature class T6
Storage temperature:	-25 °C to +70 °C

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)

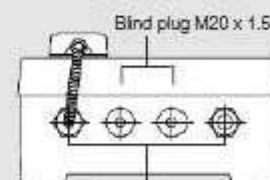


Insulation class I



Sealing plug Sealing plug

Insulation class II



Blind plug M20 x 1.5
Cable gland M20 x 1.5

Accessories



ExII-Additional headset



ExII-Additional earpiece



ExII-Loudspeaker set



ExII-TWIN



Protection hood



ExII-Secondary sounder

Order information

* The full article number is made up by appending the colour code for the coloured cap to the article number given below.

transp.	11
red	12
amber	13
green	14
blue	15

Type	Name	Version	Article no.
ExResistTel	ExII-Telephone	black	112 861 01
ExResistTel	ExII-Telephone	red	112 861 0102
ExResistTel	ExII-Telephone ZB	black – without keypad and display	112 861 02
ExResistTel	ExII-Telephone ZB	red – without keypad and display	112 861 0202
ExResistTel	ExII-Telephone	black – Protection class I	112 862 01
Accessories	ExII-Additional earpiece		112 861 03
Accessories	ExII-Additional headset		112 861 04
Accessories	ExII-Loudspeaker set		112 861 05
Accessories	ExII-Secondary sounder		211 842 06
Accessories	Protection hood	hot galvanized, yellow	118 901 01
Accessories	Protection hood	stainless steel	118 901 11
Accessories	ExII-TWIN		118 833 ..*