


## ATEX EXPLOSION PROOF OUTDOOR TELEPHONE



**Model ExResistTel**  
(Part 112 86 101 black \*colour)

### FEATURES AND BENIFITS

- Wall mounted with integrated ringer and hands free operation possible.
- DTMF and Pulse keypad in stainless steel. Selectable via menu.
- ATEX approval II 2 G EExm (ib) IIC T6.
- Robust and weather resistant. Glass fibre reinforced polyester housing. Steel coil cord.
- Version without keypad (ZB) available.

Also available in colour: 

\* = For red add 02, for blue add 05 behind the part number.

### Options

eFSK = External explosion proof flash/sounder.  
See datasheet Pub-0003-029 for details.



**Model eFSK**



**Model ExResist Tel/ZB**  
(No Keypad)

Model ExResistTel is an outdoor wall mounted explosion proof telephone suitable for connection to any analogue PABX. The unit has been designed for continuously operation in chemical industry, refineries and all places where hazardous areas occur. The telephone withstand acids, oils, an UV radiation.

This telephone exist as well without keypad in order to operate as emergency or hotline telephone. Just lifting the handset will automatically connect you with a pre-defined second station. (This function must be supported by the PABX)

### Specifications.

Power requirements	: Supply voltage: 24VDC...66VDC drawn from the telephone line. (15mA...100mA) Ringing voltage : 24VAC ....90VAC. 10 ringing melodies included.	
Ringing tone	: 90dbA.	
Dialling system	: Pulse and DTMF (switchable)	
Display	: 2-line alphanumeric display with pictograms.	
Handsfree operation	: Usable up to 68dB(a) ambient noise.	
Temperature range	: Minus 20C <sup>o</sup> to +60C <sup>o</sup> (up to 40C <sup>o</sup> if T6 is required)	
Protection	: IP66	
Approvals	:ATEX II 2G EEXem (ib) IIC T6.	
Dimensions (HxWxD)	: Telephone: 266x227x135mm	Shipping box: 390x250x185mm
Shipping weight	: 6Kg	

**PRONOR N.V.**  
Liefkensstraat 35A  
**B-9032 GENT**

TEL: (+) 32-9-257 08 80  
FAX: (+) 32-9-257 08 85

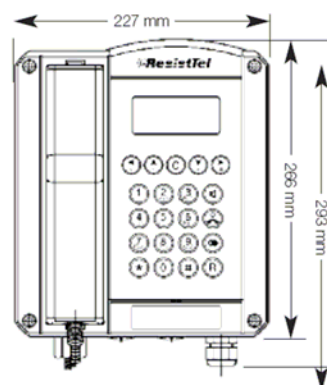
www.pronorbelgium.com  
E-mail: info@pronor.be

Pub-0003-007

## Technical specifications

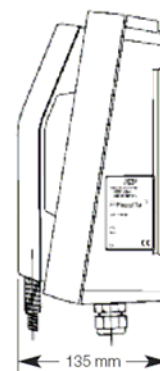
### Connections

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 V <sub>DC</sub> to 66 V <sub>DC</sub>	
Line current	15 mA <sub>DC</sub> to 100 mA <sub>DC</sub>	
Ringing alternating current	24 V <sub>AC</sub> to 90 V <sub>AC</sub> (at 21...54 Hz ringing frequency) 30 V <sub>AC</sub> to 90 V <sub>AC</sub> (at 16,6...54 Hz ringing frequency)	
Ringing impedance	Greater than 6,0 KΩ at 25 Hz and 24...90 V <sub>AC</sub> . Greater than 4,0 KΩ at 50 Hz and 24...90 V <sub>AC</sub> .	
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 <sup>2</sup> rigid. Up to 2.5 mm <sup>2</sup> 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.

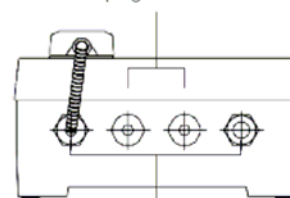
### Environmental conditions

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)

Blind plug M20 x 1.5



Cable gland M20 x 1.5

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

transp.	01
red	02
yellow	03
green	04
blue	05

## Order information

Type	Name	Version	Article no.	Type	Name	Version	Article no.
ExResistTel	ExII-Telephone	black	112 861 01	Accessories	ExII-Additional headset		112 861 04
ExResistTel	ExII-Telephone	red	112 861 0102	Accessories	ExII-Loudspeaker set		112 861 05
ExResistTel	ExII-Telephone ZB	black	112 861 02	Accessories	ExII-Secondary sounder		211 842 06
ExResistTel	ExII-Telephone ZB	red	112 861 0202	Accessories	Protection hood	hot galvanized	118 901 01
ExResistTel	ExII-Telephone	Protection class I	112 862 01	Accessories	Protection hood	stainless steel	118 901 11
Accessories	ExII-Additional earpiece		112 861 03	Accessories	ExII-TWIN		118 833 ..*