



EEx II-Telephone ExResistTel

Explosion-proof Weatherproof Industrial telephone

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

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 G	EEx em[ib] IIC T6
	II 2 D IP66 T100°C	II 2 D IP66 T80°C
	-25°C ≤ Ta ≤ 60°C	-25°C ≤ Ta ≤ 40°C

Approval: DMT 02 ATEX E 183

Line voltage: 24 VDC to 66 VDC

Line current: 15 mADC to 100 mADC

Ringling alternating current: 24 VAC to 90 VAC (at 21...54 Hz ringing frequency)
30 VAC to 90 VAC (at 16,6...54 Hz ringing frequency)

Ringling impedance: Greater than 6,0 K. at 25 Hz and 24...90 VAC.
Greater than 4,0 K. at 50 Hz and 24...90 VAC.

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 mm² rigid. Up to 2.5 mm² 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)

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	112 861 02	Accessories	Protection hood	Hot galvanized	118 901 01
	Keypad and Display						
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 loudspeaker set		112 861 05	Cap colours: transparent 01, red 02, yellow 03, green 04,			



EEx II-Telephone ExResistTel Explosion-proof Weatherproof Industrial telephone

- Hands free
- Certified for dust and gas atmospheres
- Display
- IP 66 EN 60529



Acest tip de telefon in constructie anti-exploziva, rezistent la intemperii, se dovedeste a fi atractiv datorita preciziei sale, confortului in utilizare, durabilitatii in timp si fiabilitatii. Este usor de programat, iar toate acestea fac din produsul de fata alegerea optima pentru lucrul in mediu cu risc. Fie ca se afla in mediu marin, sau intr-un mediu cu umiditate crescuta, in praf sau supus unor forte mecanice dure, produsul de fata isi indeplineste indatoririle la standardele pentru care a fost proiectat. Robustetea acestui telefon se datoreaza tastaturii din otel V4A si carcasi turnate monolit, dintr-un material rezistent la socuri si impacturi mecanice. Toate componentele folosite sunt rezistente chiar si la diferiti adezivi si lubrifianti. Tastatura din otel V4A care poate fi operata si purtand manusi, ecranul alfa-numeric usor de citit si meniul simplu de utilizat asigura o operare eficienta si accesibila, ceea ce se cere de la un mijloc de comunicatie care trebuie sa functioneze in conditii dure de mediu. De asemenea, telefonul *ExResistTel* asigura o conectare foarte buna la retele de telefonie publice sau private.

Pentru oferte si informatii suplimentare ne puteti contacta telefonic sau prin e-mail la sales@intec-automatizari.ro.



Weatherproof Telephone ResistTel



Robust and weatherproof telephone for use in rugged conditions ResistTel means: making telephone calls in rugged ambient conditions with the best functional security in industrial areas. Our telephone is completely resistant to seawater, acid, lye and lubricants. The compression- molded housing made of GRP (Glass-fibre-reinforced polyester) is impact protected. The stainless steel keypad (V4A) withstands high loads and at the same time protects the inner parts of the telephone. The steel armoured handset cord is manufactured to withstand high tensile forces. With its interesting additional features and options our ResistTel opens many possibilities with regard to your special applications. From the beginning our ResistTel user interface is simple, user friendly and menu driven. Under all circumstances and in all situations, even when using working gloves.

Property

- Housing glass-fibre-reinforced polyester
- Display 2 line; alphanumerical
- Handsfree operation
- Impact protection IK 09
- Integrated adjustable stabilizer bracket
- Menus in several languages
- Operations temperature -25°C to +60°C
- Protection IP 66
- Receiver volume can be boosted in 7 steps from 0 - 12 dB(A)
- Sound pressure level approx. 95 dB(A)
- Stainless steel (V4A) keypad
- Steel armoured handset cord with snap protection
- Telefon directory

Product variants

- Additional earpiece se
- Loudspeaker - set
- Additional headset - set
- Version without keypad ZB version

Weather proof ResistTel TECHNICAL DATA

Connections

Line voltage:	24 VDC to 66 VDC
Line current:	15 mADC to 100 mADC
Ringing alternating current:	24 VAC to 90 VAC (at 21...54 Hz ringing frequency) 30 VAC to 90 VAC (at 16,6...54 Hz ringing frequency)
Ringing impedance:	Greater than 6,0 K. at 25 Hz and 24...90 VAC. Greater than 4,0 K. at 50 Hz and 24...90 VAC.



Recall function: 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 mm² rigid. Up to 2.5 mm² 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
 Storage temperature: -25°C to +70°C

Further characteristics

Optical call signalling: Display shows (((🔔)))
 Ringing sound pressure level: Approx. 95 dB(A) at 1m distance
 Ringing melodies: 10 melodies selectable
 Listening by loudspeaker: Maximum sound pressure level approx. 70 dB (A) at 1m distance.
 Handsfree operation: Maximum sound pressure level approx. 70 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)

Ordering Data

Type	Product name	Version	P/N	Type	Product name	Version	P/N
ResistTel	Weatherproof telephone with amplified listening		112 643 01	Accessories	Secondary sounder		211105 05
ResistTel	EEx II telephone ZB Keypad and Display	without	112 643 02	Accessories	Protection hood	Hot galvanized	118 901 01
Accessories	Additional earpiece		112 643 03	Accessories	Protection hood	Stainless steel	118 901 11
Accessories	Additional headset		112 643 04	Accessories	TWIN		118 832 ..*
Accessories	Loudspeaker set		112 643 05	Cap colours: transparent 01, red 02, yellow 03, green 04,			