ExResistTel IP2 Explosion-proof VoIP Telephone

Crouse-Hinds by EATON

IP Telephone for indoor and outdoor use in zone 1

Features

- IP 66 protection class as per IEC60529
- Ambient temperature range -40°C to +60°C (heated display)
- Ring signal ≥ 95 dB(A) at a distance of 1 m
- Pixel-based illuminated heated LCD display
- V4A alphanumerical keypad
- Intelligent, user friendly menu structure
- Standard H.323, SIP, TSIP, SIPS protocols
- Power supply: Power over Ethernet or external supply
- Simply connected to a single 10/100 BASE T Ethernet LAN, RJ45
- Handsfree communication

Introduction

Proven technology from FHF makes the ExResistTel IP2 suitable for all indoor and outdoor applications in hazardous areas.

The new ExResistTel IP2 is the ideal unit for all kinds of adverse weather conditions at a wide variety of diverse facilities.

The housing is made of impact and shock resistant fiberglass-reinforced polyester. Its robust design is perfect to meet the latest requirements demanded of VoIP telephones for use in hazardous areas.

The ExResistTel IP2 makes work more effective by providing especially convenient telephone services. An illuminated, heated display rounds out the convenience features of the ExResistTel IP2.

It also supports all features of the H.450 standard.

The ExResistTel IP2 offers high-quality features based on industry standards.

A headset, available as accessory equipment, can be easily connected to the telephone. A handsfree function is also integrated into the unit.

Application Example:

Ex-Telephone for outdoor facilities

Proven technology from FHF makes the ExResistTel IP2 suitable for all outdoor applications.

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Certification and Specification

Certification

Protection class:	IP66 as per IEC 60529.
Impact resistance:	IK09 as per EN IEC 62262:2002.
Types of protection:	II 2G Ex e ib [ib] mb IIC T4 Gb. III 2D Ex ib [ib] tb IIIC T 135ºC Db.

Connections

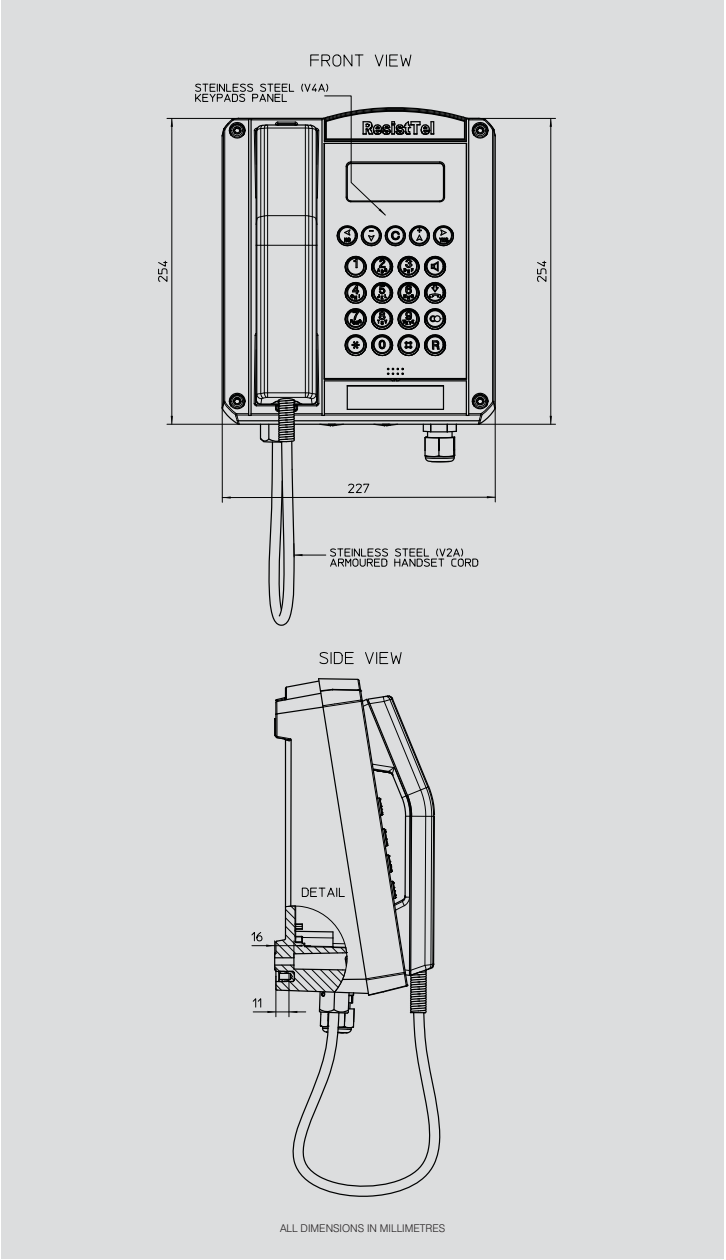
Powered via:	Power over Ethernet as per IEEE 802.3af, (only unused wires) or via external power supply.
Voltage of external power supply:	19.2 V - 52.8 V DC.
Power consumption PoE (class 0):	12.95 W.
Connection:	Screw terminals (10/100 Mbit/s).
Ring signal volume:	approx. 95 dB(A) maximum at a distance of 1 m.
Housing:	(height x width x depth) 293 x 227 x 135 mm.
Weight (standard model):	approx. 5,000 g.
Display:	182 x 64 pixels.
Mounting position:	Vertical wall mounting.
Switching capacity of relay:	250 V AC, 5 A. 30 V DC, 5 A. 50 V DC, 1 A. 230 V DC, 0,5 A.

Handset

Voice capsule:	Electret microphone.
Earpiece capsule:	Dynamic capsule with magnetic field generator.
Handset securing mechanism in cradle:	Standard equipment.

Environmental Conditions

Ambient operating temperature:	-40ºC...+60ºC.



Features

Display:	182 x 64 pixels.
Protocols:	H.323, SIP TSIP SIPS.
General:	H.323 Version 4 including H.225, H.235, H.245 and RAS. Gatekeeper routed signalling, H.450, Session Initiation Protocol (SIP) RTP, SRTP real time protocol – for voice data transmission.
RTCP:	Real Time Control Protocol – first level of "Quality of Service".
RAS protocol:	Support for an external gatekeeper.
DTMF:	H.245 "Alphanumeric" or "Signal Type".
Additional VoIP features:	H.245 fast connect en-bloc dialling overlapped sending.
Security:	Encrypted password authentication as per H.235.
Quality of Service:	IP packet prioritization via TOS and DiffServ. VLAN priority as per IEEE 802.1p / 802.1q.
Audio codecs:	G.711 A-law / μ-law (64 kbps), G.729A (16 kbps).
Echo compensation:	G.168.
Access:	HTML via web browser. Password protected with secure authentication.
Troubleshooting:	Log and trace files and status display of interfaces and connections. Ping connection test for Internet Protocol, sending of SNMP traps.
Updates:	Configuration save and restore, Boot code and firmware updates via HTML upload. Automatic updating via update server.
DSL access:	PPPoE protocol.
VPN:	Tunneling with PPTP encryption with MPPE.
NAT:	Network Address Translation – translates public IP addresses into private local address space addresses and vice versa.
DHCP:	Dynamic Host Configuration Protocol – sets up the IP interfaces.
ICMP:	Internet Control Message Protocol – for ping tests.
Call signal generation:	Automatic call signal generation as per European and US standards.
Call transfer:	Call Transfer in all common variants: with/without asking, before/after answering, etc.
Call diversion	Call Diversion / Redirection.
Call hold	Call Hold / Retrieve.
Call waiting	Call Waiting with corresponding signalling to calling party.
Message	Telephone displays that a message is waiting.
Pickup	Telephone displays that a call can be picked up.
Pickup list	Telephone displays a list of calls that can be picked up.
Name display	For signalling which name should be displayed.
Call back	Call Completion with all common variants such as call back when busy and call back when free.
3-way conference	With 3 parties, also external parties.
Caller ID	For special signalling of individual phone numbers or phone number groups.
Multiple registration	Maximum of 6 registrations.
Telephone book	All registrations available automatically from central telephone book, External databases integrated via Ò.
Time	Precisely accurate time data via time server access.

Ordering Information

Type	Name	Housing Colour	Options	Article no.
ExResistTel IP2	VoIP Telephone	Black	with relay contact	F112 861 80