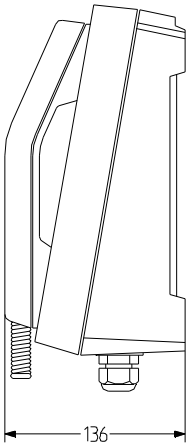
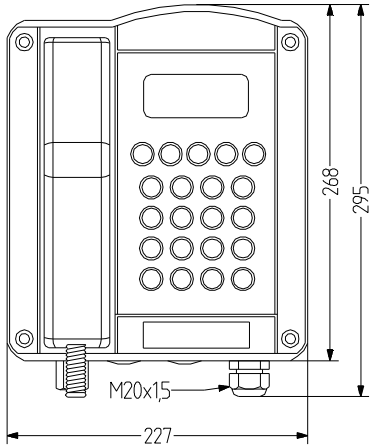
wST-IP weather-proof VoIP telephone

- Resistant to temperature differences, humidity, seawater, acids, alkalis, greases, etc.
- High degree of protection IP 66 & impact resistance IK09
- Steel-armoured handset cord to withstand high tensile forces
- Robust, impact-resistant housing
- For demanding industrial, onshore and offshore applications
- V4A steel keypad, designed for use with gloves
- Illuminated, pixel-based, heated display
- Intelligent and user-friendly menu structure
- Standard H.323, SIP, TSIP, SIPS protocols
- Power over Ethernet or external power supply





IP66 +70 °C -40 °C IK09 CE

wST-IP

TECHNICAL DATA

Tone ringing volume	98 dB
External power supply voltage	15–57 V DC when the optional, electrically isolated inputs are not used 21.5–57 V DC when the optional, electrically isolated inputs are used
Power requirement	13 W
Connection	RJ45 port (10/100 Mbit/s)
Echo compensation	G.168
Housing	glass-fibre-reinforced polyester red or black
Type of mounting	vertical wall mounting
Operating temperature	-40 °C / +70 °C
Degree of protection	IP66
Impact resistance	IK09
Current supply	Power over Ethernet as per IEEE 802.3af or external supply
Relay switching capacity	240 V AC - 6 A 24 V DC - 6 A 32 V DC - 5 A 48 V DC - 1 A
Technology	VOIP
Protocol	H.323, SIP, TSIP or SIPS
Weight	5 kg
Display	182 × 64 Pixel
Mouthpiece	Electret microphone
Receiver	Dynamic receiver with magnetic field generator
Stabiliser bracket	as standard
General	H.323 version 4 incl. H.225, H.235, H.245 and RAS gatekeeper routed signalling, H.450 Session Initiation Protocol (SIP), RTP, SRTP
RTCP	Real time control protocol – first level of 'quality of service'
DTMF	H.245 'alphanumeric' or 'single type'
VoIP features	H.245 fast connect en-bloc dialling overlapped sending
Encryption	Encrypted password authentication as per H.235
Quality of service	Prioritisation of IP packets over TOS and Diffserv, VLAN priority as per IEEE 802.1p/802.1p
Speech codes	G.711 A-law/µ-law (64 kbps), G.729A (16 kbps)

Access	using web browser with HTML Password-protected with secure authentication
Connections for trouble-shooting	Log and trace files, interface status indicators and ping connection test for internet protocol sending of SNMP traps
Update	Saving and reading of configuration, boot code and firmware update by means of HTML upload and automatic update using update server
DSL Zugang	PPPoE protocol
VPN	Tunnelling with PPTP encryption with MPPE
NAT	Network address translation – for translating official IP addresses into unofficial addresses and vice versa
DHCP	Dynamic host configuration protocol – IP interface settings
ICMP	Internet control message protocol – for ping tests
Ring tone generation	Automatic generation of ring tone as per European and US standards
Call switching	Call transfer, in all common variants: with/without enquiry, before/after answering, etc.
Call forwarding	Call diversion/redirection
Hold	Call hold/retrieve
Call waiting	Call waiting, with corresponding signal sent to calling subscriber
Message	Display on telephone indicating that there is a message
Pickup	Display on telephone indicating that a call can be taken
Pickup list	Display on telephone indicating which calls can be taken
Name Display	for signalling the name which is to be displayed
Callback	Call completion, with all common variants, such as call-back when 'busy' and callback when 'not busy'
Conference	with 3 subscribers, including external subscribers
Telephone number identification	for separate signalling for telephone numbers or groups of telephone numbers
Multiple entries	maximum of 6 entries
Directory	automatic availability of all entries in central directory; integration of external databases via LDAP
Time	extremely accurate time information thanks to access to time server

wST-IP

ORDER DATA

Cord	Relay contact	Switch LAN module	Housing colour	
			black	red
Armoured cord	without relay contact	with switch LAN module	410 130 100	410 130 110
		without switch LAN module	410 130 000	410 130 010
	with relay contact	with switch LAN module	410 130 300	410 130 310
		without switch LAN module	410 130 200	410 130 210

VS2

HS2

TH1

TH2

ACCESSORIES

Type	Type of accessory	Colour	Housing material	Weight	Order number
VS2	Visual-audible telephone call signalling sounder	black (RAL 9005)orange		935 g	410 201 005
		black (RAL 9005)red		935 g	410 202 005
		black (RAL 9005)clear		935 g	410 204 005
		black (RAL 9005)blue		935 g	410 205 005
		black (RAL 9005)green		935 g	410 206 005
HS2	Headset kit			410 g	410 200 001
TH1	Telephone sound protection hood	yellow (RAL 1023)	PVC – plastic (UV and weather-resistant)	30 kg	410 100 012
			glass-fibre-reinforced plastic (GFRP)	40 kg	410 100 008
			Console (sheet steel, powder-coated)	17 kg	410 100 011
			Metal	35 kg	410 100 006
		red (RAL 3020)	PVC – plastic (UV and weather-resistant)	30 kg	410 100 014
			glass-fibre-reinforced plastic (GFRP)	40 kg	410 100 015
			Metal	35 kg	410 100 009
		orange (RAL 2000)	PVC – plastic (UV and weather-resistant)	30 kg	410 100 013
			glass-fibre-reinforced plastic (GFRP)	40 kg	410 100 007
		Stainless steel	Stainless steel	40 kg	410 100 010
TH2	Telephone sound protection hood		Stainless steel	3,5 g	410 100 020
		yellow	PVC – plastic (UV and weather-resistant)	3,5 g	410 100 030