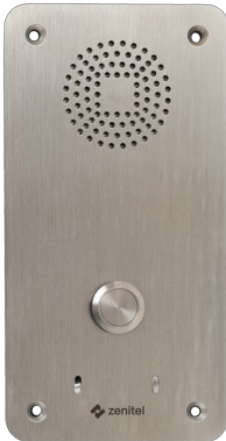


1008041200

## Vandal Resistant Substation - IPVRS-1

### Vandal Resistant IP Intercom



- ✓ Powerful audio technology including high sound pressure, automatic volume gain control, and active noise echo canceling
- ✓ Vandal Resistant Design with IK08
- ✓ IP55 - Dirt, dust and water resistant
- ✓ Designed in stainless steel (AISI 316L) to withstand corrosion
- ✓ 2 Relay outputs for remote control, e.g. doors, signal lamps and gates
- ✓ Can operate in SIP, IC-EDGE and ICX-AlphaCom mode

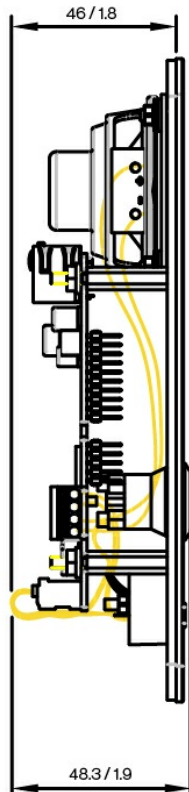
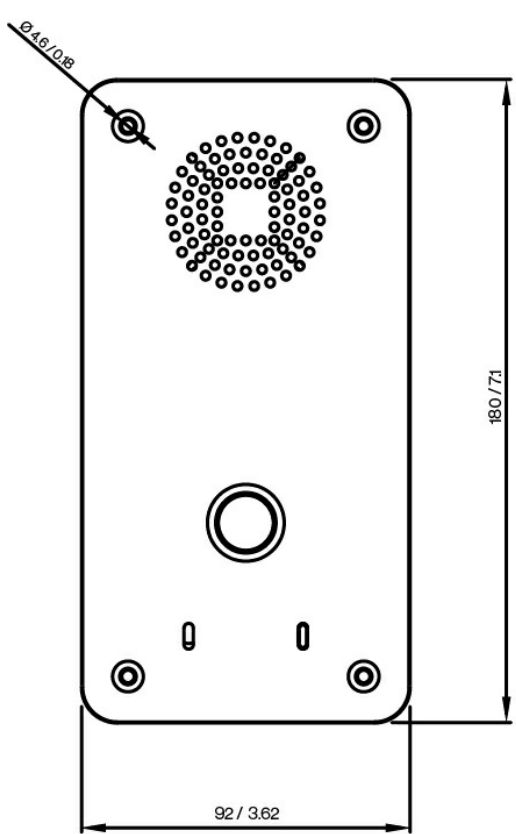


## Description

The Vandal Resistant Substation IPVRS-1 is tough, durable and resilient, and designed for use in the harshest of environments. The station is typically used as a communication, information or emergency point and connects directly to the IP network making it easy to deploy – anywhere and at any distance.

See also: [additional documentation on wiki.zenitel.com](http://wiki.zenitel.com)

## Technical Dimensions



All dimensions in mm / in

# Specifications

## AUDIO

Noise cancelling - suppression of musical noise	YES
Noise cancelling - suppression of static noise	YES
Noise cancelling - suppression of rapidly changing noise	YES
Codecs	G.711, G.722, G.729
Frequency range, G.722 Codec	200 Hz to 7000 Hz
Audio technology	Modes: Full open duplex, switched open duplex
	Adaptive jitter filter
	Local tone generator
	Audio mixing - 3 channels
	Sound level detection (scream alarm)
	Automatic gain control (microphone)
	Automatic volume adjustment
	10 W class D
	Electret microphone
	8 ohm

## HARDWARE

Ethernet connector	2 x RJ45
All other connectors	Tool less, spring loaded, vibration proof terminals
General inputs and outputs	6 (configurable), 12mA as LED drivers
Change-over relays (NO+NC+COM)	2 relays, max: 60VDC, 2A, 60W
Power options	PoE and or external power supply
PoE (power over Ethernet)	IEEE 802.3af standard, Class 0 (0.44W to 12.95 W)
External power supply	24 VDC (16 to 48 V)
Power consumption	Idle 1.8W, max 13W (depending on volume)
Audio line out / induction loop signal	600 ohm

## CONSTRUCTION

Dimensions (HxWxD)	180 x 92 x 46 mm
Weight	0.8 kg
Protection	Vandal resistant design, 2 mm stainless steel front, tamper proof loudspeaker grill, button and fastening screws
Mounting	Flush mount in 50 mm deep back box
Frontplate material	AISI 316L

## NETWORKING AND PROTOCOLS

Protocols	IPv4 (with DiffServ), SIP, TCP, UDP, HTTPS, TFTP, RTP, DHCP, SNMP, Vingtor-Stentofon CCoIPÅ®, NTP
LAN protocols	Power over Ethernet (IEEE 802.3 a-f) Network Access Control (IEEE 802.1x)
Management and operation	HTTP/HTTPS (Web configuration) DHCP and static IP + IC-EDGE, Remote automatic software upgrade, Centralized monitoring
Advanced supervision functions	E.g. network test, tone test, status reports
SIP support	RFC 3261 (SIP base standard) RFC 3515 (SIP refer) RFC 2976 (SIP info)
DTMF support	RFC 2833, 2976 (SIP info)

## ENVIRONMENT AND COMPLIANCES

Operating temperature range	-40° to 70° C / -40° to 158 ° F
Storage temperature range	-40° to 70° C / -40° to 158 ° F
Relative humidity	< 95% not condensing
Ingress protection	With mounting box 1008098000 (on wall): IP-44, With mounting box 1008098100 (flush mount): IP-55
Impact protection	IK 8
EMC	CE and FCC Part 15

## OTHER SPECIFICATIONS

Warranty	2 Years standard warranty, extendible up to total of 5 years (additional fee)
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## Accessories



Flush Mount Back Box



On Wall Back Box



Tamper Switch for Vandal Resistant Substation TKIE