

1008111050

TCIS-5

IP and SIP Intercom



- ✓ General-purpose intercom station
- ✓ Black thermoplastic front plate with two labelled call-buttons
- ✓ Superior audio quality with advanced audio processing
- ✓ High sound pressure levels with automatic volume adjustment
- ✓ Dirt, dust and water resistant
- ✓ High impact protection rating
- ✓ ONVIF Compatible
- ✓ Supports wide set of IP and networking standards



Door Intercom



SIP



Avaya Certified



CISCO Certified



NEC Certified



UL Certified Intercom



Turbine



IC-Edge



ICX-AlphaCom



IP66



IK08



Automatic Volume



HD Voice



Automatic Gain Control



Active Noise Cancelling



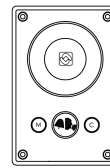
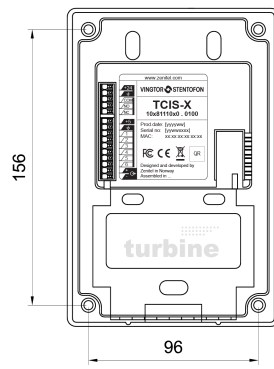
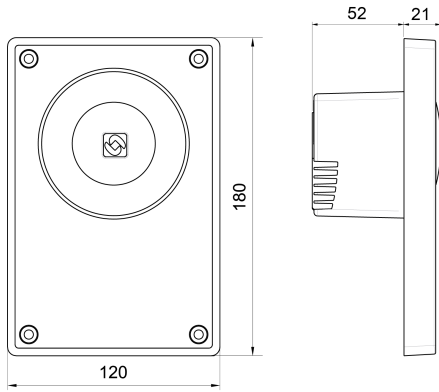
Voice Activity Detection

Description

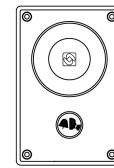
This Intercom station utilizes the latest technology to create unparalleled audio quality. Some of the many features include: HD voice quality, Open Duplex, Active Noise Cancellation, MEMS microphone, a 10W Class D amplifier and our unique speaker grille design. These features, in conjunction with our 70+ years of experience with acoustic technology are only a few of the many factors that contribute to our superior audio quality.

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

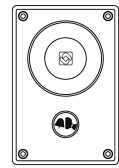
Technical Dimensions



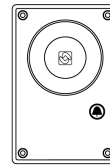
TCIS-1



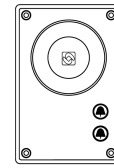
TCIS-2



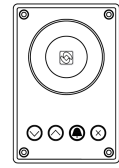
TCIS-3



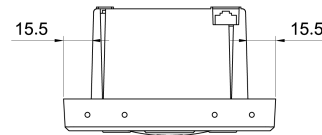
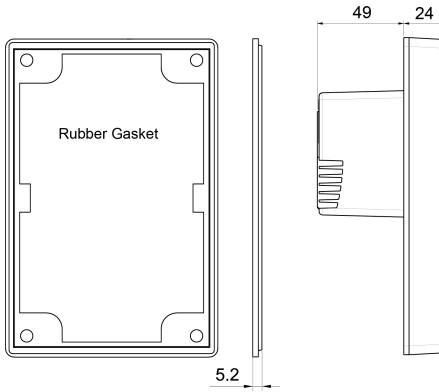
TCIS-4



TCIS-5/TCIS-C1



TCIS-6



All dimensions in mm

Specifications

AUDIO

| | |
|--|---|
| Internal speaker amplifier | 10 W class D |
| Internal speaker | 10 W |
| Microphone technology | Digital MEMS, omnidirectional microphone |
| Audio technology | Modes: Full open duplex, switched open duplex |
| | Adaptive jitter buffer |
| | Custom Ringing Tone |
| | Audio Mixing – Conversation and Group Call |
| | Automatic gain control (microphone) |
| | Sound Level Detection / scream alarm (in AlphaCom mode) |
| Codecs | G.711, G.722, G.729 |
| Frequency range, G.722 Codec | 200 Hz – 7000 Hz |
| SPL peak power at 1m in open duplex | 95 dB |
| SPL peak power at 1m in half duplex | 105 dB |
| SPL peak power at 1m in program distribution and announcements | 105 dB |
| Noise cancelling | Yes |
| Automatic Volume Control (AVC) | Yes |
| Acoustic Echo Cancellation (AEC) | Yes |

HARDWARE

| | |
|--|---|
| Ethernet connector | 1 x RJ 45 |
| All other connectors | Tool less, spring loaded, vibration proof terminals |
| General inputs and outputs | 6 (configurable) |
| Outputs | 12mA as LED drivers |
| Change-over relay (NO+NC+COM) | SELV |
| Power options | PoE or 24 VDC (16 – 48 V) |
| PoE (power over Ethernet) | IEEE 802.3af standard |
| External power supply | 24 VDC (16 – 48 V) |
| Power consumption | Idle 1.8W, max 12W (depending on volume) |
| Audio line out / induction loop signal | 0 dBV |
| Call indication | Icons/colors for hearing impaired |
| Door open indication | Icons/colors for hearing impaired |
| Display technology | PMOLED |
| Display contrast | 20000:1 |
| Viewing angle | 160 deg |
| Display brightness | 120 cd/m2 |
| Display lifetime | 50 000 hours/5 years |

CONSTRUCTION

| | |
|---|---|
| Dimensions (HxWxD) | 180 x 120 x 73 mm / 7.1" x 4.7" x 2.9" |
| Dimensions after flush mount | 180 x 120 x 24 mm / 7.1" x 4.7" x 0.9" |
| Dimensions with on wall box | 180 x 120 x 86 mm / 7.1" x 4.7" x 3.4" |
| Weight | 0.8 kg / 1.8 lbs |
| Faceplate material | 3 mm / 0.12" PMMA, colour printed on back side |
| Base / frame material | 3 mm / 0.12" Aluminum alloy - A413.0, AlSi12Fe, painted |
| Electronics cover material | Polycarbonate (translucent) |
| Gasket material | Silicone rubber |
| Fastening bracket material | SECC Steel |
| Button material | 3 mm / 0.12" Polycarbonate (transparent) |
| Button travel length | 1.25 mm |
| Button activation force | 350 gf |
| Button push-cycles before failure | 300 000 |
| Loudspeaker poke protection, large diameter object | 3D cast aluminum speaker grille |
| Loudspeaker poke protection, small diameter objects | Stainless steel mesh, acoustically transparent |

NETWORKING AND PROTOCOLS

| | |
|--------------------------------|---|
| Protocols | IPv4 (with DiffServ), SIP, TCP, UDP, HTTPS, TFTP, RTP, RTSP, RTCP, SRTP, DHCP, SNMP, Vingtor-Stentofon CCoIP®, NTP, ONVIF, WS-Discovery |
| LAN protocols | Power over Ethernet (IEEE 802.3 a-f), Network Access Control (IEEE 802.1x) |
| Management and operation | HTTP/HTTPS (Web administration and configuration) DHCP and static IP. Remote automatic software upgrade. Centralized monitoring. |
| Advanced supervision functions | E.g. network test, tone test, status reports, uptime, button status. |
| SIP support | RFC 3261 (SIP base standard) RFC 3515 (SIP refer) RFC 2976 (SIP info), SIP using TLS, RFC 5630 SIPS URI scheme |
| DTMF support | RFC 2833, RFC 2976 (SIP info) |

ENVIRONMENT AND COMPLIANCES

| | |
|-----------------------------|---|
| IP rating | IP-66 (applies when mounted in TA-1 back-box) |
| IK rating | IK 08 |
| Operating temperature range | -40° to 70° C |
| Storage temperature range | -40° to 70° C |
| Relative humidity | < 95% not condensing |
| Corrosion | Salty mist, tested according to EN60945 |
| Vibration | Tested according to EN60945 |
| UV-resistant | YES |
| EMC | CE and FCC Part 15 EN 50121-3-2 Railway application EN 50121-4 Railway application UN Regulation 10, revision 4 + Corr.1 + Amend.1 |
| Compliances | IEC/EN 60945 Marine Equipment IEC/EN61000-6-1 and IEC/EN61000-6-3 (light industry) IEC/EN 50155 Railway Application * IEC/EN 50486 Equipment for use in audio video door-entry systems * With additional conformal coating Requires use of EN 50155 approved PoE switch |
| Certifications | UL 60950-1, cUL 60950-1, CB to IEC 60950-1 |

OTHER SPECIFICATIONS

| | |
|------------------------|-------------------------------------|
| IP address information | Speaks IP address after system boot |
| Country of manufacture | Poland |

Accessories



TA-1

Turbine Compact Onwall Back Box



TA-2

US 2-Gang 3 1/2" Deep Backbox



TA-5

Bracket for US 2 GANG Double Depth Back Box



Turbine Adapter Plate



TA-18

Turbine Compact Flush-Mount
Back Box



TA-14

Microphone windshield for
TCIS / TCIV



Touchless Sensor

Used With



ENA2060-DC1

Exigo Network Amplifier 2
Channels, 60W for Rolling
Stock

deining
elektronik gmbh & co. kg

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