


1008111030

# TCIS-3 | Audio Intercom

IP and SIP Intercom

- Durable black thermoplastic front plate with one call button, and LED indicator for door status.
- Advanced Audio Technology - High sound pressure levels, automatic volume gain control, and active noise and echo cancellation for superior clarity.
- Weather-Resistant (IP66) & Robust (IK08)
- ONVIF Conformant - Seamless video and device integration
- Flexible Installation - Options for wall or flush mounting
- Seamless Integration - Fully compatible with Zenitel Connect Pro, ICX-AlphaCom, IC-EDGE, and SIP-based systems.

Zenitel Connect | Door Intercom | SIP | ONVIF Conformant | UL Certified Intercom | IC-Edge | ICX-AlphaCom

IP66 | IK08 | HD Voice

## Description

This audio intercom is engineered with advanced audio technologies to ensure optimal intelligibility in challenging environments. It features wideband HD voice for enhanced clarity, Open Duplex for natural two-way communication, and integrated noise suppression and acoustic echo cancellation algorithms for clean audio in noisy settings. The unit incorporates a high-sensitivity MEMS microphone, a 10W Class D amplifier for high-output performance, and a custom-engineered speaker grille optimized for acoustic dispersion and protection. Backed by over 70 years of expertise in audio and communication systems, this product delivers consistently superior sound quality across diverse applications.

See also: additional documentation on wiki.zenitel.com

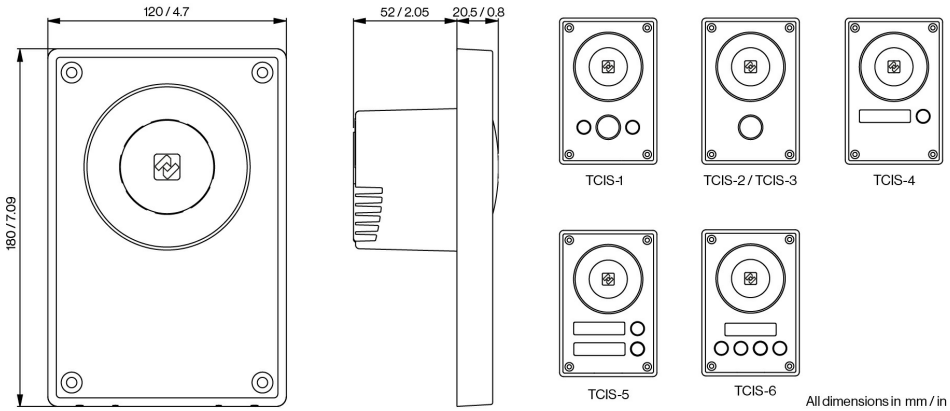
## Technical Dimensions



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# Specifications

| AUDIO | |
|---|---|
| Max SPL @ 0.5m | 106 dB |
| Codecs | G.711, G.722, G.729 |
| Frequency range, G.722 Codec | 200 Hz – 7000 Hz |
| Audio technology | Full open duplex, switched open duplex |
| | Sound level detection (scream alarm) |
| | Automatic gain control |
| | Automatic volume control (AVC) |
| | Acoustic Echo Cancellation (AEC) |
| | Noise cancellation |
| Internal speaker amplifier | 10 W class D |
| Internal speaker | 10 W |
| Microphone technology | Digital MEMS, omnidirectional microphone |

| NETWORKING AND PROTOCOLS | |
|---|---|
| Application Protocols | SIP, SIPS, HTTP, HTTPS, TFTP, RTP, SRTP, RTCP, RTSP, DHCP, SNMP, Vingtor-Stentofon CCoIP®, NTP, ONVIF, WS-Discovery |
| IP Versions | IPv4 & IPv6 |
| LAN protocols | Power over Ethernet (IEEE 802.3 a-f), Network Access Control (IEEE 802.1x) |
| Supervision functions | Keep alive test, tone test, status reports |
| 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, 2976 (SIP info) |
| Integration and API | Connected to ICX-AlphaCom through AlphaCom protocol ACDP |
| | Connected to Zenitel Connect Pro though Zenitel Link |
| | ONVIF |





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**HARDWARE**

| | |
|---|---|
| Ethernet connector | 1 x RJ 45 |
| 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 |
| Power consumption | Idle 1.8W, max 12W (depending on volume) |
| Button backlight | LED |
| Call indication | Icons/colors for hearing impaired |
| Door open indication | Icons/colors for hearing impaired |

**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 |
| Loudspeaker poke protection, large diameter object | Stainless steel mesh, acoustically transparent |

**ENVIRONMENTAL COMPLIANCES**

| | |
|---|---|
| IP rating | IP66 |
| IK rating | IK08 |
| Operating temperature range | -40° to 70° C / -40° to 158 ° F |
| Storage temperature range | -40° to 70° C / -40° to 158 ° F |
| Realtive humidity | < 95% not condensing |
| Corrosion | Salty mist, tested according to EN60945 |
| Vibration | Tested according to EN60945 |





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| APPROVALS | |
|---|---|
| EMC | EN 61000-6-1, EN 61000-6-3, EN 50121-4, FCC part 15 |
| Safety | UL 62368-1, IEC 62368-1, IECEE CB |
| Sustainability | RoHS, REACH |

| OTHER SPECIFICATIONS | |
|---|---|
| Country of manufacture | Poland |
| Warranty | 2 Years standard warranty, extendible up to total of 5 years (additional fee) |

## Accessories



TA-1

Turbine Compact Onwall Back Box

Item Number: 1008140010



TA-2

US 2-Gang 3½" Deep Backbox

Item Number: 1008140020



TA-5

Bracket for US 2 GANG Double Depth Back Box

Item Number: 1008140050



TA-18

Turbine Compact Flush-Mount Back Box

Item Number: 1008140180



TA-14

Microphone windshield for TCIS / TCIV

Item Number: 1008140140



Touchless Sensor

Item Number: 2390020100





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