zenitel

DATASHEET



1008123130

# TFIX-3-V2

## Ex IP Intercom Station with 3 buttons

- Ex IP intercom for potentially explosive atmospheres - Directive 2014/34/EU
- Ethernet compatible 2-wire interface
- ONVIF Compatible
- DIP functionality for use with AlphaCom audio servers
- SIP/VoIP functionality for use with 3rd-party systems
- Dust- and water-protected to IP66
- Monitoring and self-diagnostics of critical functionality
- Visible status indicators on front panel
- Separate amplifier for external loudspeaker (25W)
- Signal relay for external beacon

SIP | Turbine | IC-Edge | ICX-AlphaCom | IP66 | IEC Ex Intercom | Atex

Active Noise Cancelling | IP over 2-wire

## Description

The TFIX-3-V2 Explosion-proof intercom station is a rugged device, designed for harsh environments and meets industrial and offshore requirements as well as requirements for ATEX Zone 1 operation. The plastic housing is designed to withstand most chemical and environmental hazards found on- or offshore.

The TFIX-3-V2 features a single oversized call-button and keys for manual override (PTT) and Cancel.

The intercom station is fully digital and offers crystal clear audio with high output through an internal amplifier and 78 mm speaker, delivering over 90 dB SPL. Active Noise Reduction and Acoustic Echo Cancelling allows for hands-free two-way communication with superior audio quality.

Intercom status indicators display the status of the system and are compatible with AlphaCom and Exigo systems as well as SIP functionality for use with 3rd party systems.

## Technical Dimensions

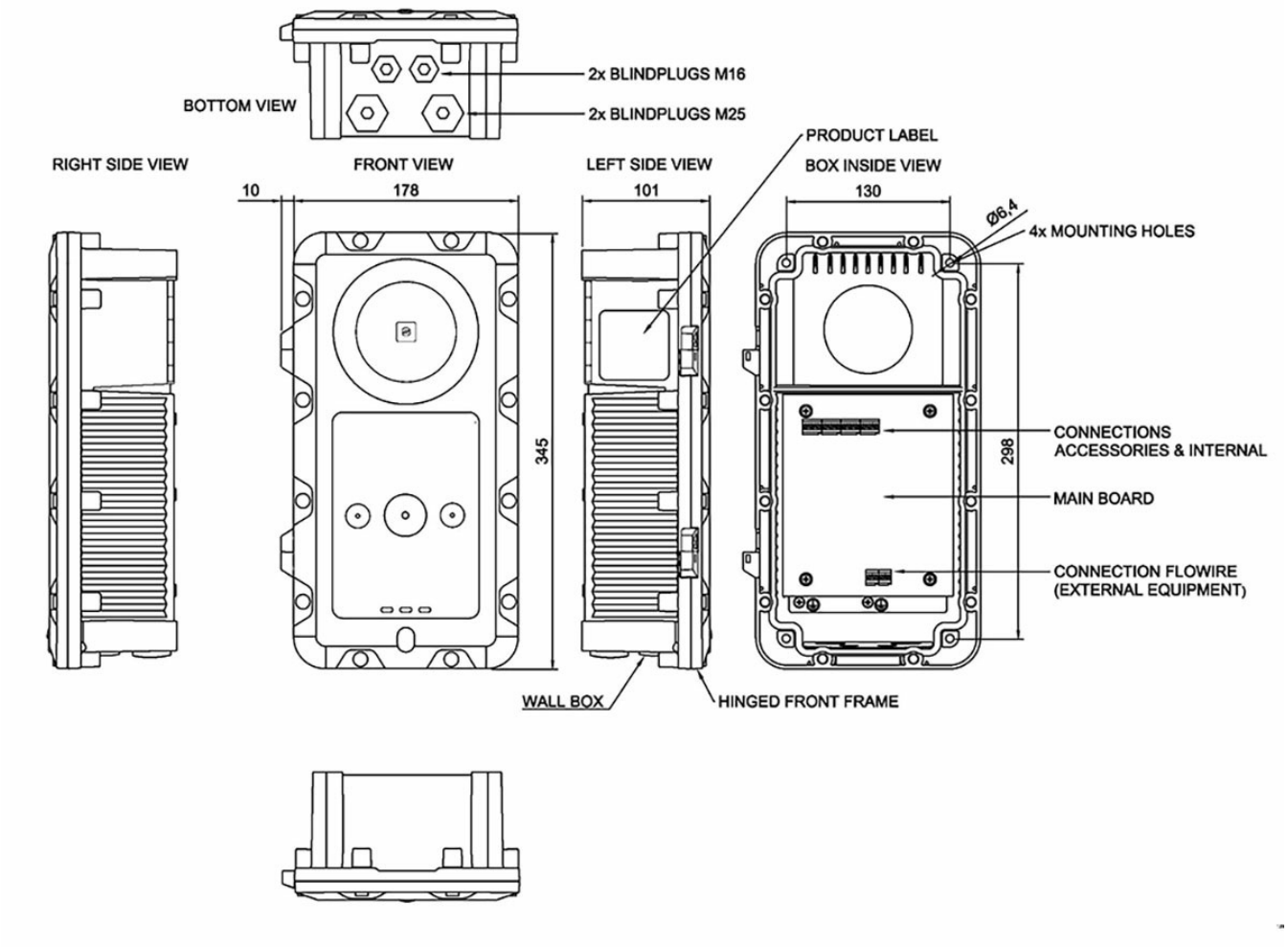


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# Specifications

| MECHANICAL | |
|---|---|
| Dimensions | 345 x 178 x 101 mm |
| Weight | 4 kg |
| Mounting | On-wall box (included) |
| Color | Black |

| ENVIRONMENTAL | |
|---|---|
| Operating temperature | -20°C to +55°C |
| Storage temperature | -40°C to +70°C |
| Operating humidity | 10% to 95% RH (non-condensing) |
| Storage humidity | 10% to 95% RH (non-condensing) |
| Air pressure | 600 hPa to 1200 hPa |
| IP-rating | IP64 in accordance with IEC 60079-0 |
| | IP66 in accordance with EN 60945 |
| IK rating | 4J |

| ELECTRICAL | |
|---|---|
| PoE | NO, proprietary 2-wire data- and powerbus |
| Power consumption | 4.2 W (idle) to 8 W (max), 38.5W (max) with external loudspeaker |
| DC power | 24-48 VDC (SELV) |
| | 48 DVC PSU required when using external amplifier (One FCDC3 per station is also recommended when using external amplifier) |



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## NETWORK

| | |
|---|---|
| Connection | 2 x 2-wire |
| Connection type | Screw terminals |
| Functions | Auto negotiating |
| Built-in switch | N/A |
| Compatibility | SIP, ICX-AlphaCom, IC-EDGE, G.711, G.722, G.729, HD Voice, ONVIF |

## INPUTS AND OUTPUTS

| | |
|---|---|
| Handheld Microphone | Microphone (bal), PTT |
| Handset | Microphone (bal), Speaker (bal), + PTT |
| Headset | Microphone (bal), Speaker (bal), + PTT |
| Digital inputs/outputs | 2 (Ex i type) |
| Relay outputs | 1 (60VDC, 320mA, 10^8 operations) |
| Audio | Yes, for audio accessories |
| Aux power | Provided by network cable |
| External speaker amplifier | 25W class D |
| External speaker specifications | Impedance=8Ohm, minimum rated power: 25W |
| | Impedance=20Ohm, minimum rated power: 10W |

## CERTIFICATIONS

| | |
|---|---|
| Immunity | EN 60945, EN 61000-6-2 |
| Emission | EN 60945, EN 61000-6-3, EN 61000-6-4 |
| CENELEC safety standards | EN 60079-0:2018, EN 60079-7:2015/A1:2018, EN 60079-11:2012, EN 60079-18:2015/A1:2017 |
| IEC safety standards | IEC 60079-0:2017, IEC 60079-7:2017, IEC 60079-11:2011, IEC 60079-18:2017 |
| Marking | II 2(2) G Ex e ib mb [ib] IIC T4 Gb -20°C ≤ Ta ≤ +55°C |





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**OTHER SPECIFICATIONS**

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

# Accessories



TAX-2B

Ex-Approved Plugbox & Cable for Headset with PTT

Item Number: 1008150025




TAX-3

EX Handset

Item Number: 1008150030



EMMAX-1H

Handheld Industrial EX Microphone For Exigo/Turbine

Item Number: 1023533511



FCDC3

Flowire Ethernet Converter - DC Voltage

Item Number: 1008080310



Power Supply 100-240VAC/48VDC 2A

Switched-mode power supply, 1-phase, 48 VDC output voltage, 2A current

Item Number: 2990000065



DSP-15 EExmN, 25W

Ex horn speaker for TFIX-V2 stations, 8 Ohm

Item Number: 2340010002



TNFCD2G212

Ex proof beacon, Ex de 24-48VDC GREEN, 1 x M25 gland

Item Number: 2340210022





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