

1008123110

TFIX-1-V2

Ex IP Intercom Station- full keypad



- ✓ Ex IP intercom for potentially explosive atmospheres - Directive 2014/34/EU
- ✓ Ethernet compatible 2-wire interface
- ✓ 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
- ✓ ONVIF Compatible
- ✓ Visible status indicators on front panel
- ✓ Integrated 25W amplifier for external loudspeaker
- ✓ Signal relay for external beacon



SIP



IC-Edge



ICX-AlphaCom



IP66



IEC Ex Intercom



Atex



Active Noise Cancelling



IP over 2-wire

Description

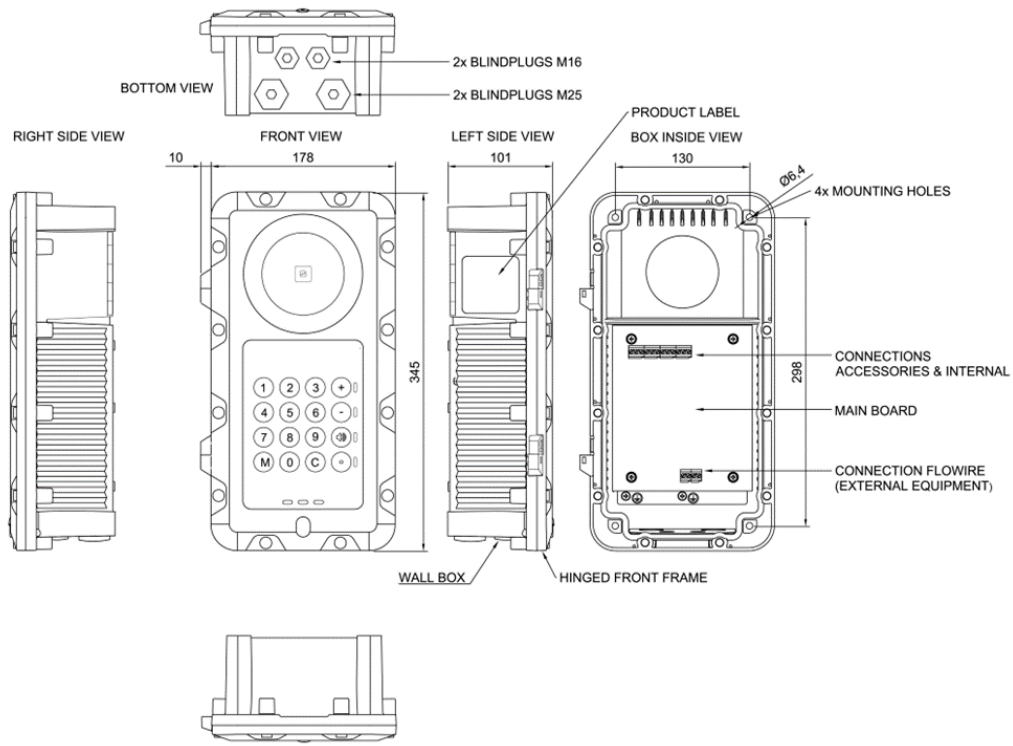
The TFIX-1-V2 Explosion-proof intercom station is a rugged device, designed for harsh environments and meets industrial and offshore requirements as well as requirements for ATEX Zone 1 operation. The plastic housing is designed to withstand most chemical and environmental hazards found on- or offshore.

The TFIX-1-V2 features a full keypad with 1 programmable 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 90dB SPL. Active Noise Reduction and Acoustic Echo Cancelling allows for hands-free two-way communication with superior audio quality. A built-in secondary 25W amplifier is also provided for the connection of external loudspeakers.

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



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 | IP66 in accordance with IEC 60945 |
| IK rating | 4J |

ELECTRICAL

| | |
|-------------------|--|
| PoE | NO, proprietary 2-wire data-and power bus |
| 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). |

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 |

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



TAX-3

EX Handset



EMMAX-1H

Handheld Industrial EX Microphone For Exigo/Turbine



FCDC3

Flowire Ethernet Converter - DC Voltage



EGA-1

Button Protection Covers



Power Supply 100-240VAC/48VDC 2A



DSP-15 EExmN, 25W

Ex horn speaker for TFIX-V2 stations, 8 Ohm



TNFCD2G212

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