

1008123030

## TFIX-3

Ex IP Intercom Station

This product has been preplaced by TFIX-3-V2

Turbine



IP66



IEC Ex Intercom



Atex



Active Noise Cancelling



IP over 2-wire

## Description

- ✓ 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

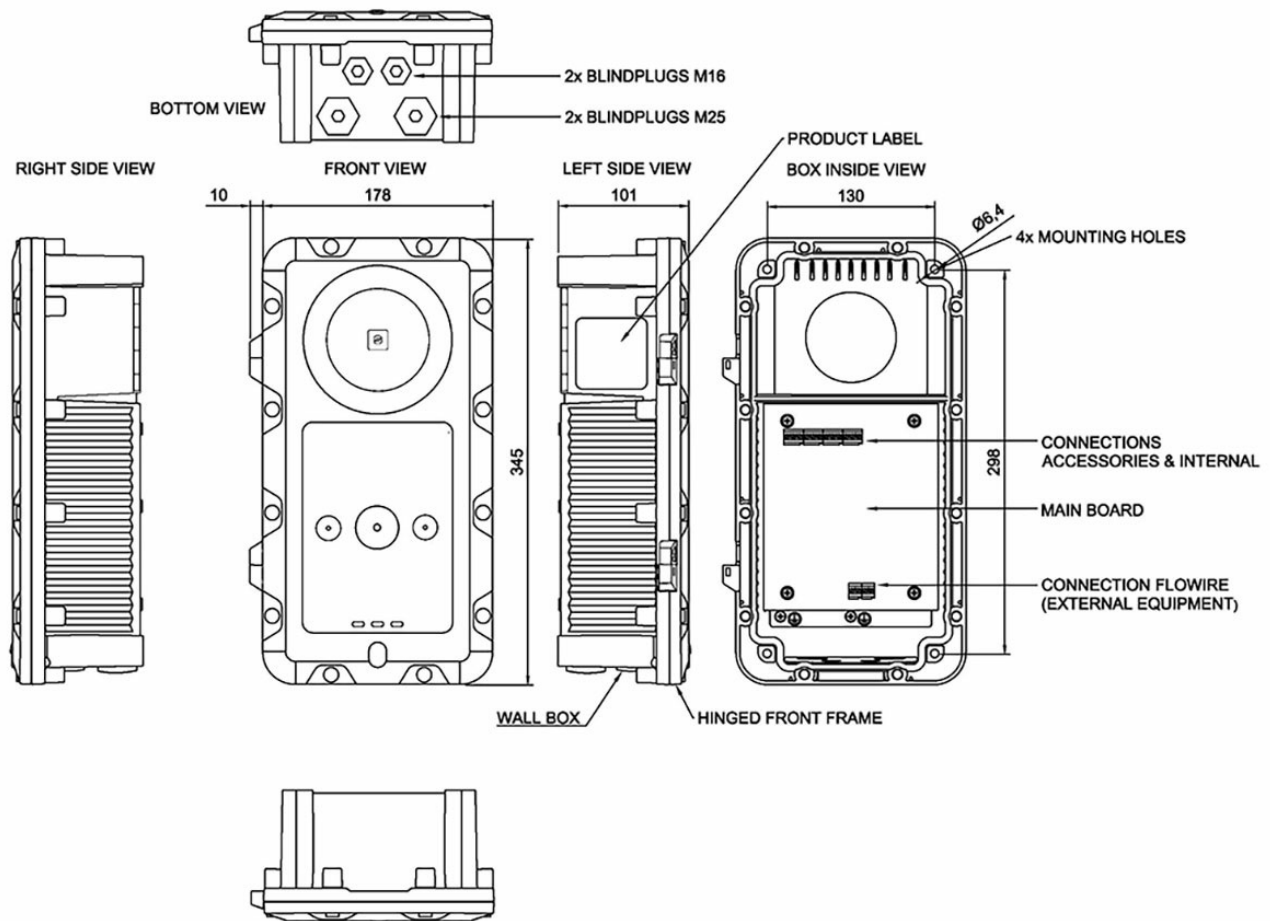
The TFIX-3 Explosion-proof intercom station is a rugged device, designed for harsh environments and meets industrial and offshore requirements as well as requirements for ATEX Zone 1 operation. The plastic housing is designed to withstand most chemical and environmental hazards found on- or offshore.

The TFIX-3 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



# 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 +60°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             | 7J for enclosure                    |
|                       | 4J for cable glands                 |

## ELECTRICAL

|                   |                                           |
|-------------------|-------------------------------------------|
| PoE               | NO, proprietary 2-wire data- and powerbus |
| Power consumption | 4.2 W (idle) to 8 W (max)                 |
| DC power          | 24 VDC                                    |

## 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 |

## INPUTS AND OUTPUTS

|                        |                                        |
|------------------------|----------------------------------------|
| Handheld Microphone    | Microphone (bal), PTT                  |
| Handset                | Microphone (bal), Speaker (bal), + PTT |
| Headset                | Microphone (bal), Speaker (bal), + PTT |
| Digital inputs/outputs | NO                                     |
| Relay outputs          | NO                                     |
| Audio                  | Yes, for audio accessories             |
| Aux power              | Provided by network cable              |

## 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: 2012, EN 60079-7: 2007, EN 60079-11: 2012, EN 60079-18: 2009        |
| IEC safety standards     | IEC 60079-0: 2011, IEC 60079-7: 2006-07, IEC 60079-11: 2011, IEC 60079-18: 2009 |
| Marking                  | II 2(2) G Ex e ib mb [ib]<br>IIC T4 Gb -20°C ≤ Ta ≤ +60°C                       |

## 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



### FCDC2

Flowire Ethernet Converter - non-PoE This product has been replaced by 1008080310 FCDC3 Flowire Ethernet Converter

Item Number: 1008080210



Power Supply 100-  
240VAC/24VDC 4A

Switched-mode power  
supply, 1-phase, 24 VDC  
output voltage, 4A current

Item Number: 2990000064