



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

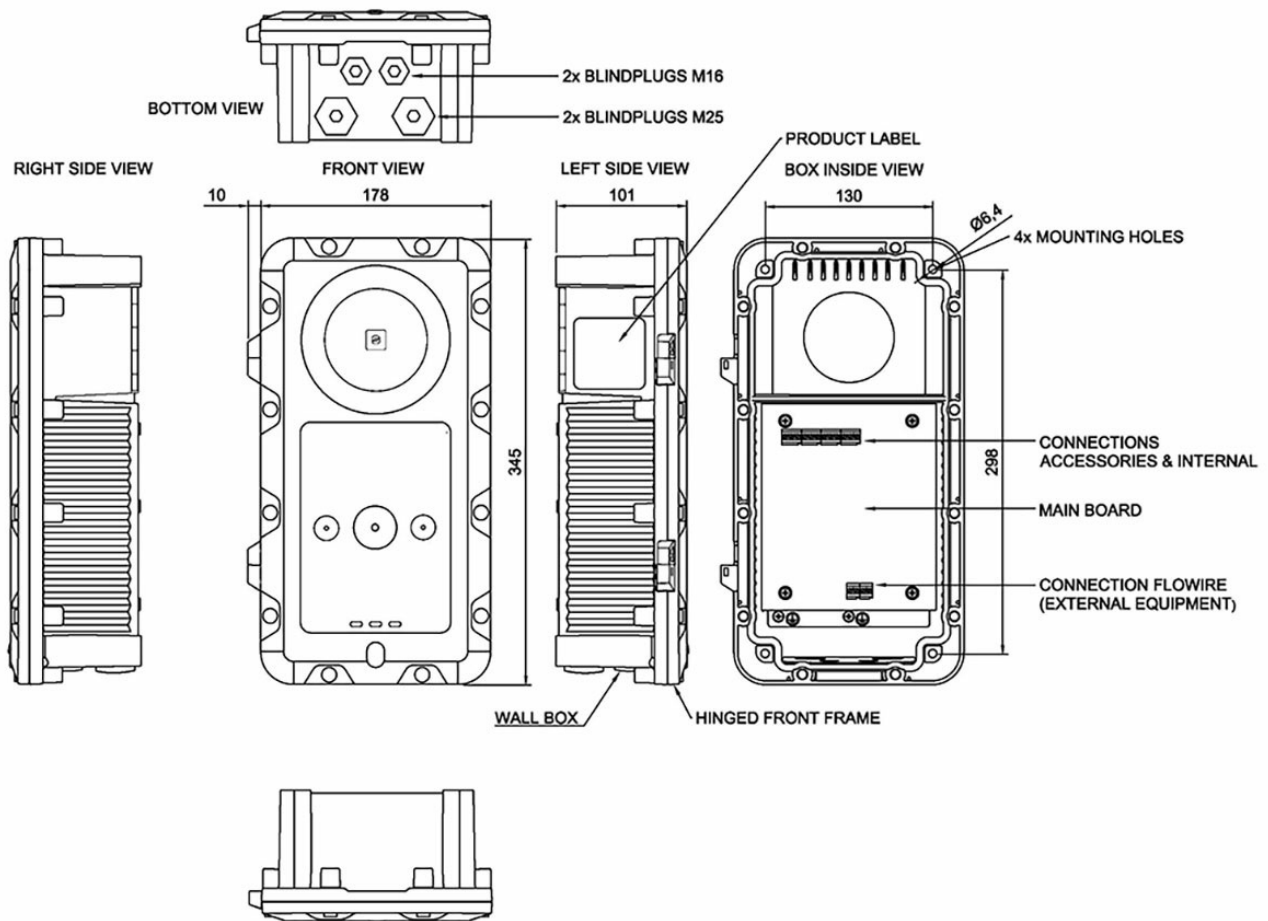
The TFIX-3 Explosion-proof intercom station is a rugged device, designed for harsh environments and meets industrial and offshore requirements as well as requirements for ATEX Zone 1 operation. The plastic housing is designed to withstand most chemical and environmental hazards found on- or offshore.

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] IIC T4 Gb -20°C ≤ Ta ≤ +60°C

## Accessories



AK5850HS

Ex-approved Headset



AK5850BS Ex TwinCom  
Helmet Headset w/ear  
plug connector

Ex-approved Headset with  
helmet mounting and  
connector for ear plug



AK5850BHS Ex  
TwinCom Headband  
Headset w/ear plug  
connector

Ex-approved Headset with  
headband



TAX-2B

Ex-Approved Plugbox  
& Cable for Headset  
with PTT



TAX-3

EX Handset



EMMAX-1H

Handheld Industrial EX  
Microphone For  
Exigo/Turbine



FCDC2

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been replaced by  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



Power Supply 100-  
240VAC/24VDC 4A