zenitel

DATASHEET

1008123010

TFIX-1

Ex IP Intercom Station



This product has been replaced by TFIX-1-V2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

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- Monitoring and self-diagnostics of critical functionality
- Visible status indicators on front panel

The TFIX-1 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 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.

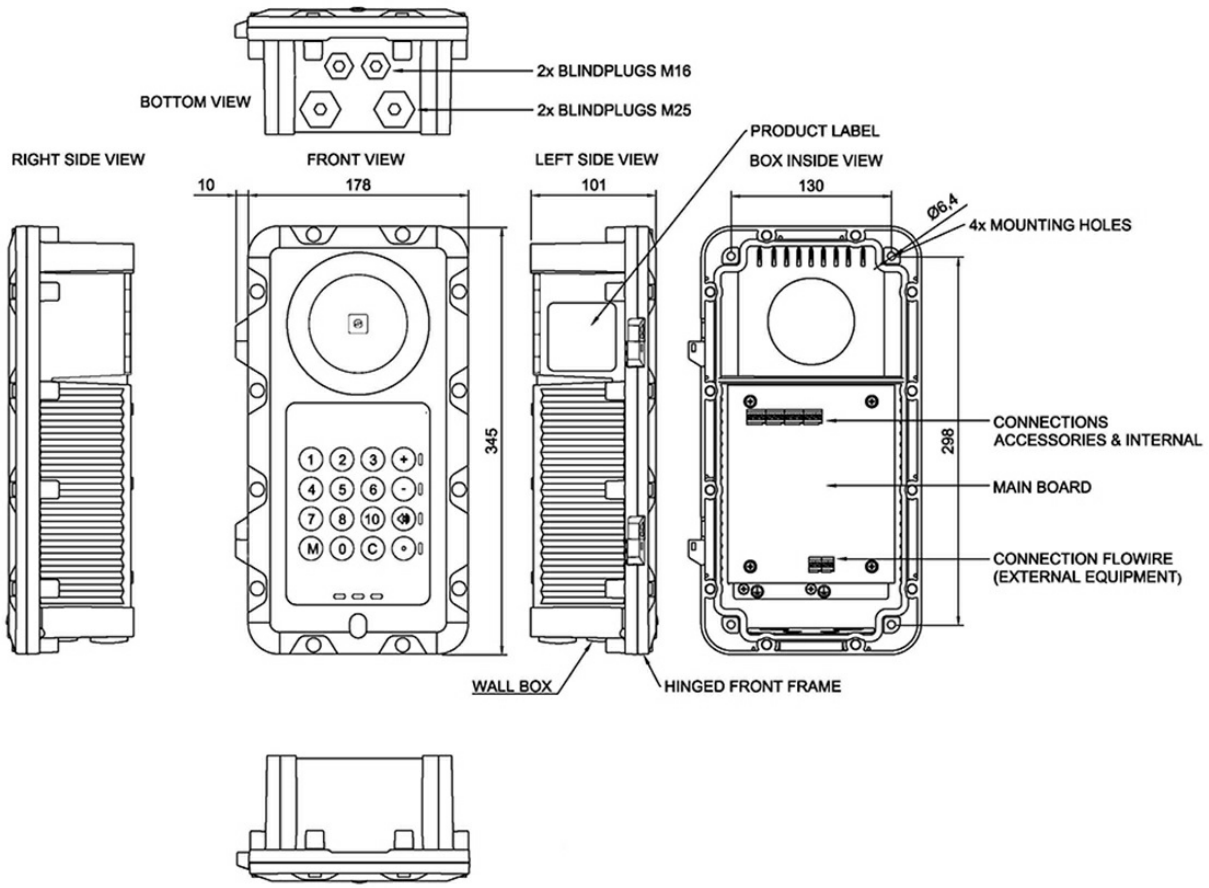
Intercom status indicators display the status of the system and are compatible with AlphaCom and Exigo systems as well as SIP functionality for use with 3rd party systems.

Technical Dimensions

www.zenitel.com info@zenitel.com Last revision date: 2023-07-21 10:18

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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 +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 power bus
Power consumption	4.2 W (idle) to 8 W (max)
DC power	24 VDC

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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

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

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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



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

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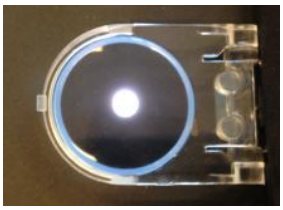
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Power Supply 100-240VAC/24VDC 4A

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

Item Number: 2990000064



EGA-1

Button Protection Covers

Item Number: 1023594100

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