

1008123010

## TFIX-1

Ex IP Intercom Station



**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
- 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.

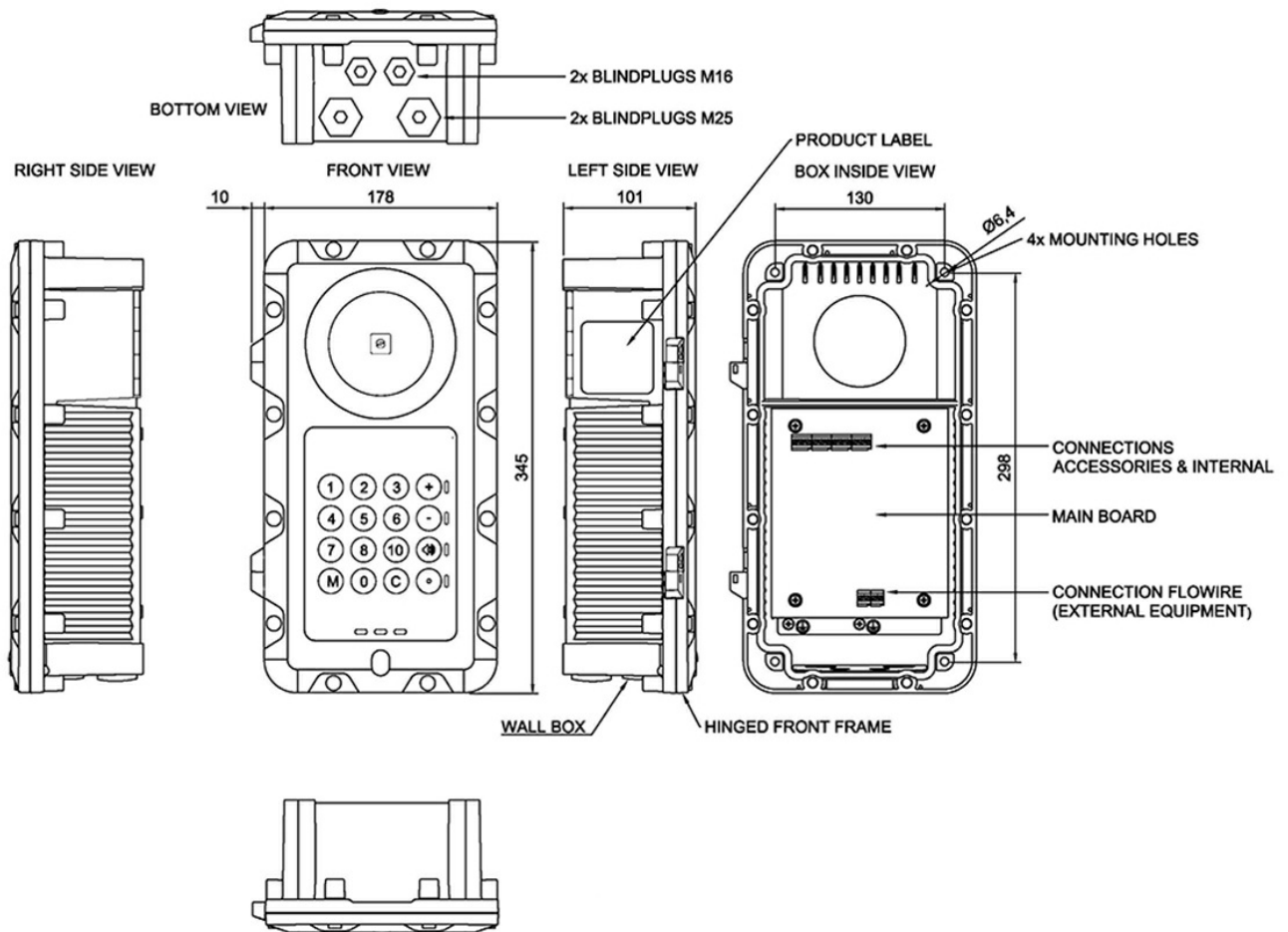
The intercom station is fully digital and offers crystal clear audio with high output through an internal amplifier and 78 mm speaker, delivering over 90dB SPL. Active Noise Reduction and Acoustic Echo Cancelling allows for hands-free two-way communication with superior audio quality.

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.

## SPECIFICATIONS

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| <b>MECHANICAL</b>         |                                                                                 |
| Dimensions                | 345 x 178 x 101 mm                                                              |
| Weight                    | 4 kg                                                                            |
| Mounting                  | On-wall box (included)                                                          |
| Color                     | Black                                                                           |
| <b>ENVIRONMENTAL</b>      |                                                                                 |
| 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                                                             |
| <b>ELECTRICAL</b>         |                                                                                 |
| PoE                       | NO, proprietary 2-wire data- and power bus                                      |
| Power consumption         | 4.2 W (idle) to 8 W (max)                                                       |
| DC power                  | 24 VDC                                                                          |
| <b>NETWORK</b>            |                                                                                 |
| Connection                | 2 x 2-wire                                                                      |
| Connection type           | Screw terminals                                                                 |
| Functions                 | Auto negotiating                                                                |
| Built-in switch           | N/A                                                                             |
| Compatibility             | SIP, AlphaCom™, Pulse™, G.711, G.722, G.729, HD Voice                           |
| <b>INPUTS AND OUTPUTS</b> |                                                                                 |
| 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                                                       |
| <b>CERTIFICATIONS</b>     |                                                                                 |
| 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                          |

## TECHNICAL DIMENSIONS



## ACCESSORIES



**AK5850HS**

Item Number: AK5850HS



**TAX-2B**

Item Number: 1008150025



**TAX-3**

Item Number: 1008150030



**EMMAX-1H**

Item Number: 1023533511



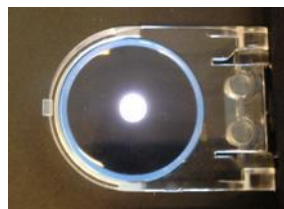
**FCDC2**

Item Number: 1008080210



**POWER SUPPLY 100-240VAC/24VDC 4A**

Item Number: 2990000064



**EGA-1**

Item Number: 1023594100