



EXP-TBA

EXP-TBA SERIES

Explosion Proof Talk/Back Station

FEATURES and BENEFITS

- Easy master/slave operation
- Only one station required for master/slave communication, reducing costs
- Internal microphone or option to use master speaker as microphone, providing flexibility
- Push-to-talk (PTT) switch on faceplate
- Option for remote hand/foot push-to-page switch
- Post announcement tone from master to slave option
- Slave operator ring tone to master station option
- Attenuation of master speaker when paging to prevent feedback
- External programming, eliminating need to declassify area when making changes
- 24V AC/DC, 120/240 VAC powered
- Water/dust tight NEMA 4X (IP66) explosion proof enclosure

CONTROLS

- Separate master and slave speaker volume controls on faceplate
- Internal master microphone, talk/back gain and speaker controls
- Internal ring tone volume control
- External programming method for easy switching of slave operations

APPLICATIONS

Guardian's EXP-TBA Talk/Back system provides reliable point-to-point communication in Class I & II, Division 1 hazardous areas such as on drilling rigs between drill floor and monkey board. The EXP-TBA can be used anywhere where hands free communication is required from slave operator end in hazardous areas.

INSTALLATION and CONNECTABILITY

Guardian's EXP-TBA Talk/Back system gives you the flexibility to set up a system based on exactly what you need. Talk/Back components connect through common plugs and cable types for easy installation.

TALK/BACK RANGE

Paging with Talk/Back capability allows users to maintain hands-free communication during critical operations. Guardian's Talk/Back systems meet this demand with standard plus explosion proof versions. Master to single slave or multiple slave configurations are available in our non-hazardous models.

From drilling operations right through to onboard ships and other specialized applications, Guardian Telecom Talk/Back systems can be tailored for specific functionality.

EXP-TBA SERIES OF STATIONS

EXP-TBA Explosion Proof Talk/Back Stations provide communications in harsh, industrial environments and hazardous areas. They provide easy to operate paging with the versatility of a hands free slave speaker.

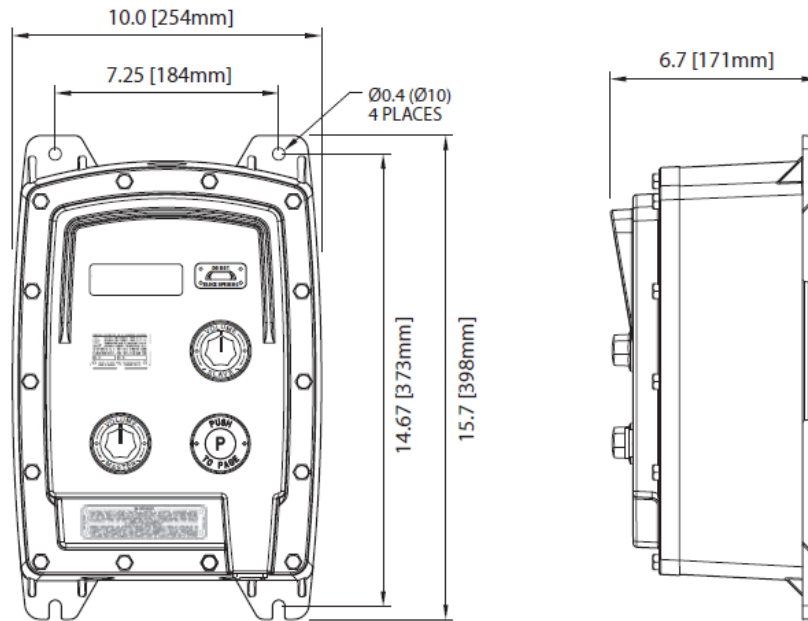
The EXP-TBA has total system flexibility in order to adapt to station location, with the use of either internal microphone & faceplate PTT switch or master speaker as microphone & remote PTT switch.

A post announcement tone can be programmed (internal) to indicate end of page from master station to the slave speaker. An optional switch can be wired at the slave speaker to activate a ring signal at the master station to request communication.

Recommended speaker:
SR40 (P7245) 70V 30 Watt
Explosion Proof Class I & II,
Division 1



OVERALL DIMENSIONS



EXP-TBA Explosion Proof Talk/Back Station

ENGINEERING SPECIFICATIONS

ELECTRICAL REQUIREMENTS

Input Voltage	20-29 VDC	20-26 VAC	90-140 VAC	200-260 VAC
Power Cycle	n/a	50/60 Hz	50/60 Hz	50/60 Hz
Fuse	1 Amp	1 Amp	0.5 Amp	0.25 Amp

SPEAKER AMPLIFIER

Page Output Voltage	70 Volt
Page Output Power	10 Watts RMS/Channel
Frequency Response	250 - 8000 Hz
Distortion	1.0% Maximum THD @ 1000 Hz
Master Station Talk/Back Attenuation (Internal Adjustable)	-20 dB to Mute

MECHANICAL SPECIFICATIONS

Body Construction	Copper Free Cast Aluminum
Finish	Powder Coated
Body Dimensions (H x W x D)	10 x 15.7 x 8.7" (254 x 398 x 221 mm)
Net Weight	27.0 lbs (12.3 kg)
Shipping Weight	38.0 lbs (17.3 kg)
Shipping Dimensions (L x W x D)	20.0" x 15.0" x 11.5" (508 x 381 x 293 mm)
Mounting	Vertical Wall
Connection Fittings	Conduit or Cable Gland

ENVIRONMENTAL

Weather Resistant	CSA Enclosure Type 4X (IP66)
Temperature	-40° to +140° F (-40° to +60° C)
Humidity	0 - 95% RH Non-Condensing

CSA COMPLIANCE (Canada and United States)

Class 4818 02	– Signal Appliances – Audible – For Hazardous Locations
Class 4818 82	– Signal Appliances – Audible – For Hazardous Locations
	Certified to US Standards
Class I, Division 1, Groups B, C and D; Class II, Division I, Groups E, F and G	
Canada:	Class I Zone 1 Ex d IIB+H2 T5
United States:	Class I Zone 1 AEx d IIB+H2 T5; Class II Zone 21



ORDERING INFORMATION

Warranty: Five years parts and labor

Order No. Description

P5986 EXP-TBA Explosion Proof Talk/Back Station /120 VAC

Also available in other voltages including 240 VAC, 24 VAC and 24 VDC. For details contact a Guardian Telecom representative.

Distributed by:



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