

# ZAP10-02-07-XX

## EXPLOSION PROOF PAGA ACCESS UNIT



DS-007 Issue 04



### ZAP10-02-07-XX

Thank you for your interest in Ziztel - we are a UK based manufacturer of Main broadcast MBS / PAGA and Intercom products. Our systems are mainly designed for use in Marine, Military and the Hazardous Oil, Gas and Petrochemical industries. Products are robust and designed to comply with international standards.

ZAP10-02-07-XX enables comprehensive operator control of a high integrity PAGA system in a potentially explosive atmosphere enabling the operator the possibility to initiate site alarm tones, deliver zoned / routine / emergency voice broadcasts according to client specification.

*Intrinsically safe* – safe for use in hazardous areas

*IP66 rated robust rotproof polyester plastic enclosure*

– suitable for external location

*Single or Dual microphones for*

*A+B/N+1 architectures* – designed for mission critical

PAGA life safety systems

*Up to 21 push buttons and 16 indicators* –

comprehensive PAGA control

The Ziztel ZAP10-02-07-XX is a bulk head/surface mount microphone unit specifically designed to provide reliable and efficient voice input to a ZEST PAGA broadcast system from an external hazardous area.

The ZAP10-02-07-XX is designed for reliable efficient operation in hostile climatic conditions and can be positioned in external exposed locations, the unit can be further protected by installation in a glazed secondary enclosure (which also inhibits unauthorized usage and/or ensures operation only in emergency conditions) or in high ambient noise areas can be fitted inside our AH23 acoustic hood.

For critical applications i.e. N+1 or A+B PAGA public address and alarm system packages the ZAP10-02-07-XX can be supplied with fully duplicated hardware, including microphones, to ensure single fault tolerance in redundant execution.

The unit comprises of a robust, corrosion proof enclosures which can carry single or dual dynamic noise cancelling microphone transducers (Type MG600) and weatherproof industrial push buttons (large enough to be easily operated by a gloved hand).



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It is possible to equip the unit with up to 21 x illuminating push buttons, for example ‘Zone Selection’, ‘Alarm Control’, and/or ‘Emergency Speech’ buttons. Critical operator buttons can be fitted with *hinged protective cover* to prevent accidental operation. The push buttons are configured to comply with specified project ‘cause and effect’ requirements and are tailored accordingly. Typical assignment for the ZAP10-02-07-XX is at muster point stations where emergency speech access and prepare to evacuate/abandon alarm tone broadcasts are delivered to all site loudspeakers or in operational positions where talkback intercom/local routine paging speech communications are required.

The protection concept is Ex i intrinsically safe and associated field cables are terminated in the host central equipment via safety protection shunt barriers.

### Technical Specification

Colour (Enclosure)	Black RAL 9011
Weight	7kg (Approximately)
IP rating	Enclosure IP66 (Enclosure is fibreglass polyester with silicone (VMQ) gasket)
Cover bolts	Stainless steel
Enclosure material	Glass re-enforced polyester
Impact resistance (Enclosure)	7J
Ambient temperature range	-40 °C to +60 °C
Location	Zone 1 IIC T4 ATEX Ex I Certified (Must be operated in conjunction with safe area location IS barriers)
Microphone	Noise cancelling MG600 (duplicated for redundant applications)
Microphone mount	Fixed or flexible goose neck
Indicators (where specified)	LED – Red, Green, Yellow, Blue, White
Push button action	Momentary or latching / maintained action
Maximum cable conductor	1.5mm <sup>2</sup> typically 0.5mm <sup>2</sup> CSA cross sectional area
Gland entries	25mm as standard but can be 32mm or 40mm to specification
Enclosure dimensions	400 x 300 x 120 mm

### Model Identification

ZAP10-02-07-XX	
X	Number of microphones 1 or 2
X	Number of Push buttons 1 to 21



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