

ET001-EX-T

HAZARDOUS AREA TELEPHONE



DS-430 Issue 02

Thank you for your interest in Ziztel - we are a UK based manufacturer of PAGA and Intercom products. Our systems are mainly designed for use in the Hazardous Oil, Gas and Petrochemical industries.

The ET001-Ex -T is an analog two wire explosion-proof telephone handset designed to provide reliable communications in a potentially explosive atmosphere. The unit facilitates operation over extended cable lengths (typical maximum cable run 3000 Meters) without field located interposing switches or media convertors.

ET001-EX-T ANALOG POTS TELEPHONE

ATEX and IECEx certified - Safe for use in

Zone 1 and 2 potentially explosive areas

Corrosion resistant / Ultraviolet stable - Designed for aggressive operating conditions

Full duplex handset communications – Efficient two-way speech

The ET001-Ex-T is a bulkhead mount two wire analog explosion proof telephone designed to provide reliable, efficient two-way voice communications in a potentially explosive atmosphere. The unit is designed for aggressive environments including Zone 1 / Zone 2 hazardous areas and is IP66 rated. The housing is manufactured from corrosion resistant GRP (Glass Re-enforced Polyester) which is UV Ultraviolet light proof and all metal parts are 316L stainless steel. The ET001-Ex-T handset cradle switch is solid state eliminating moving parts and a flexible vandal proof steel armored handset cord ensures long through life maintenance free service. The stainless-steel tactile keypad is large enough to allow effective operation with a gloved hand and is illuminated allowing efficient operation in low light conditions. An integral calling sounder is fitted which delivers an 'attention getting' electronically generated warble, volume is controllable by tamper proof preset located within the unit. The acoustic signaling device is supplemented by an integral LED array which visually draws attention to telephone call ins.



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The range includes options a) without keypad for CB applications – suffix CB, b) with headset adaptor – suffix HS and c) a safe area weatherproof version type ET001-W-T. A range of high-performance acoustic hoods are available including type AH23 – 60097 which is specifically designed for safe use in a potentially explosive atmosphere. ZFL23X-T or ZAB1 flashing beacons can be connected to the ET001-Ex-T to extend signaling in severe noise ambient.

Ziztel AH23 series acoustic hood, ZFL23X-T external visual alarm and MT50-HS001Ex headset.



Technical Specification

Line Voltage	24 VDC to 67 VDC
Line Current	15mA to 100mA
Dialling protocol	DTMF
Ringing current	24 VAC to 90 VAC
Ringing frequency	21 Hz to 60 Hz
Ring tone impedance	6 K Ohm
Termination	Up to 4mm CSA conductors (Cross Sectional Area)
Ringing sound pressure level	+90dBA
Headset option HS	Noise cancelling helmet mounted ear defender style MT50-HS001-Ex
Enclosure material	Glass Re – enforced Polyester
Temperature Range	-40C to +70C ambient
Environmental Rating	IP66
Cable Entry	1 x 20 mm isometric gland entry
Dimensions	240 mm x 240 mm x 100 mm
Weight	4.5 Kg
Mounting attitude	Bulkhead / wall mounting
Certification	Zone 1 / 2 IIC T4

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