

ZIZTEL TCA-01X-W

TELEPHONE COUPLED ALARM DRIVER



DS-123 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 Ziztel TCA-01X is an alarm unit which is designed to control and manage a warning sounder and flashing beacon array. Typical applications include telephone ringing alert in a high noise ambient or a self-contained general alarm system for un manned offshore and pipe line installations.

ZIZTEL TCA-01X-W TELEPHONE COUPLED ALARM DRIVER

Up to 115dBA output sound pressure level per horn

*A strident 1.2 kHz alert warble tone
frequency/cadence*

*Can drive multiple signalling devices for greater
coverage*

IP66 rotproof safe area enclosure

The TCA-01X-W comprises of a compact light weight weather-proof rot proof enclosure which houses a 100V line horn driver amplifier, flashing beacon switch and ringing voltage triggered control circuitry. An optically coupled input allows direct connection to an analogue telephone subscriber pair which then detects ringing voltage, the control circuitry initiates the telephone alert tone and activates the flashing beacon/sounder switch.

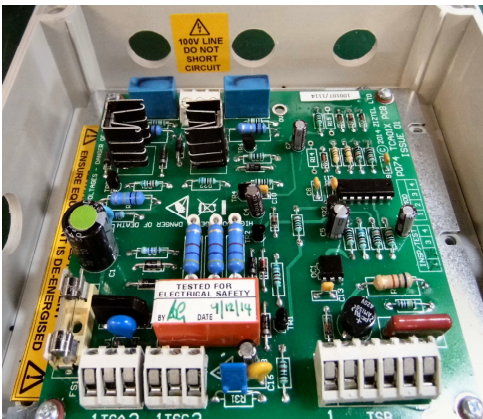
The TCA-01X-W can drive multiple re-entrant horns and visual alert flashing beacons enabling effective coverage over a wide area of a noisy industrial site. The alert tone frequency and cadence is selected to achieve maximum efficiency from the sounder.

The TCA-01X-W is fitted with field cable terminal sets, which eliminate requirement for external junction boxes, and allow simple cost effective installation:-

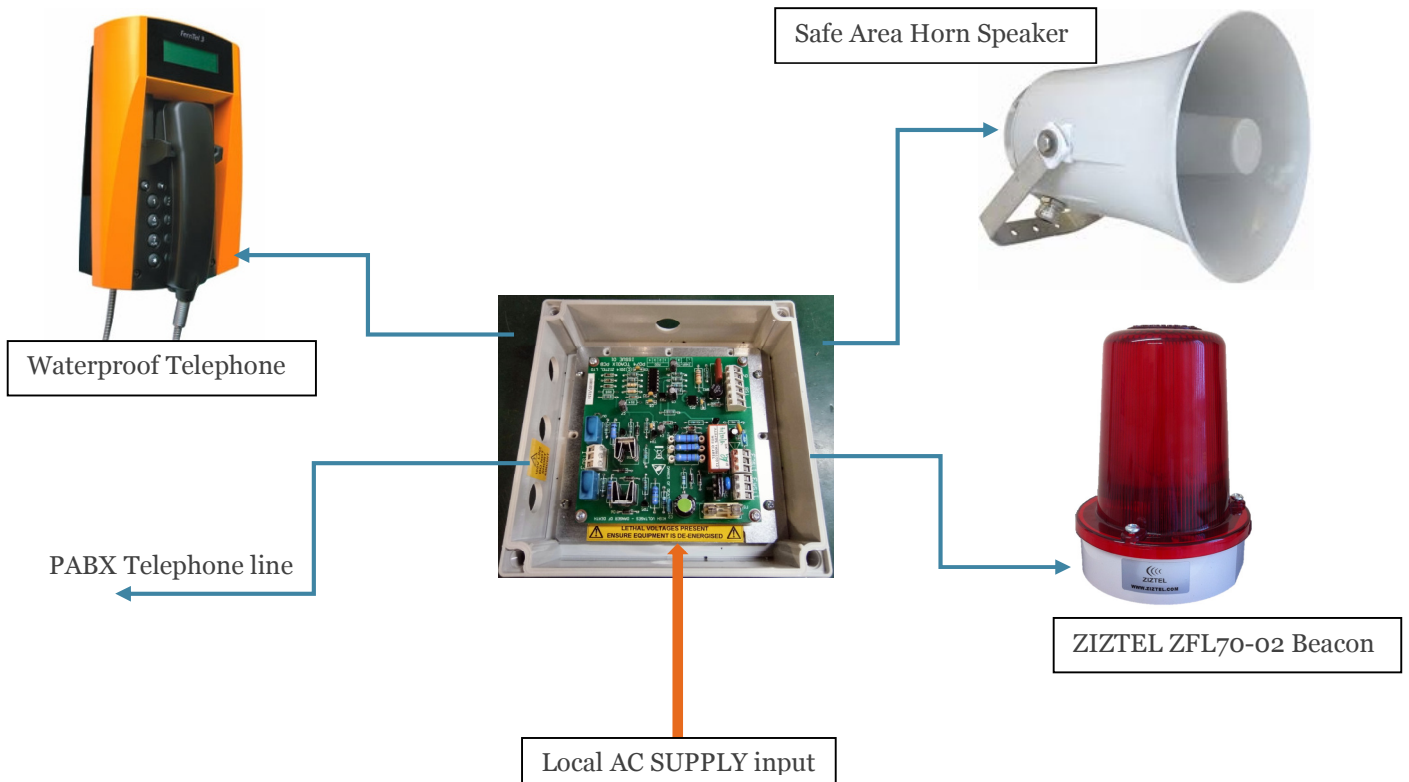
- Gland entry 1 Telephone line in
- Gland entry 2 Telephone line out
- Gland entry 3 Supply in (A local AC supply is required)
- Gland entry 4 Sounder drive out
- Gland entry 5 Beacon drive out

ZIZTEL LIMITED

email: sales@ziztel.com web: www.ziztel.com tel: +44 (0) 115 9202888
mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom



- The unit is energized from **local AC supply** and is delivered for 110/120Vac or 220/240Vac 50/60Hz operation depending on client specification at time of order.



Technical Specification	
Supply input	110/120Vac or 220/240Vac 50/60Hz - Voltage to be specified with PO.
Consumption	Up to 300VA depending on number of beacons/sounders attached
Output 1	Switched supply to flashing beacons
Output 2	Alarm tone sounder Set 1.2kHz warble
Input 1	Optically coupled telephone ring voltage 20Vrms to 100Vrms 10Hz to 1kHz
Maximum load	20Watts speaker horn output 100V line 280VA Flashing Beacon output
Temperature Range	-40°C to + 60°C
Humidity	Up to 100%
IP Rating	IP66/IP67
Weight	2Kg
Dimensions	180mm x 180mm x 100mm
Finish	Natural grey
Material	Rot /UV resistant high impact plastic
Gland Entry	20mm isometric x 6 (2 x entries in each of three faces)

ZIZTEL LIMITED

email: sales@ziztel.com web: www.ziztel.com tel: +44 (0) 115 9202888
 mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom

All text, drawings and photography contained within this data sheet are the property of Ziztel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Ziztel Ltd. Ziztel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.