

ZID08

PERIPHERAL INTERFACE

DS-017 Issue 03



Thank you for your interest in Zitel - 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.

ZID08 enables PAGA interface to other site systems including fire & Gas/ICSS systems, PABX/UHF radio systems, Entertainment systems. The unit is plug/socket connected to the host ZX100 management system to speed installation & through life service.

The ZID08 can be reprogrammed by file download eliminating "chip exchange" which feature on legacy systems.

ZITTEL ZID08 PERIPHERAL INTERFACE FOR I/O

LED status of all output contacts

Ease of service/commissioning

Future proof – ease or reprogramming without hardware alterations or chip exchanges

The ZEST ZID08 is a compact highly integrated DIN rail mount termination device which enables a Zitel ZEST PAGA system to be connected to other site systems.

The unit comprises of a robust Euro card style carrier which is equipped with test/disconnect termination facility enabling direct connection of field cabling without recourse to intermediate MDF terminations. The unit is plug in/socket connected to the host management subsystem enabling rapid service and implementation.

The ZID08 is expandable by cascading more ZID08 devices if further input/output capability is required.

The unit is equipped with a micro control subsystem which retains standard configuration in secure non-volatile media; in the event that legislation dictates change to the ZID08 facilities then this is easily accomplished by convenient secure file download from a personal PC. Two sets of switches are fitted on board;

- 8-way DIP switch to enable output personality setting
- Configuration hex switch to provide extended addressing (example where there are multiple ZID08)



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The ZID08 enables the following:

- Inter A+B system alarm synchronization
- Event recorder output enabling all PAGA audio broadcast traffic to be externally recorded as required to aid post incident investigations or connection to a UHF radio system onward broadcast of PAGA messages
- Fault reporting supervisory output by dry relay contacts for group minor and major faults
- Eight optically isolated input conditions, link configurable for voltage control or dry contact control. Conditions can be normally open or normally closed contacts
- Twelve output conditions each comprising of fail-safe isolated contacts earth/volt free
- Two auxiliary audio inputs non-specific use. (Example UHF radio paging input)
- Four open collector outputs each capable of sinking 50mA
- Control inputs/outputs on the field terminal rail are all isolated with input interfaces implemented by optical coupled devices to ensure reliable operation in areas prone to electrical storms and lightning activity.

Technical Specification	
Power Supply voltage	Normal 48Vdc sourced from the host rack
Tolerance	40V-63V
Consumption	200mA nominal
Clock	2MHz
Number of inputs/outputs	8/12
Number of digital outputs	4
Inter rack sync	Multi-mode fiber or 1-pair copper cable
Termination	Up to 2.5mm CSA conductors with pin crimps fitted
Dimensions/Weight	300mm x 100mm x 50mm 0.5kg
Temperature range	-25 °C to +70 °C
Location	Safe area



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