

ZX100-ATS-01

STANDBY ALARM TONE GENERATOR



DS-030 Issue 04

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.

The ZX100-ATS-01 is specifically designed for mission critical service where hot standby alarm tone generating facilities are required.

The unit adopts standard Zitel philosophy whereby alarm tones are not dependent on software or software execution.

ZITTEL ZEST ZX100-ATS-01

*P.C. Configurable – no chip exchange,
no hardware modification*

N+1 Hot Standby Service

*File Download eliminates DIP
switches & plug link settings*

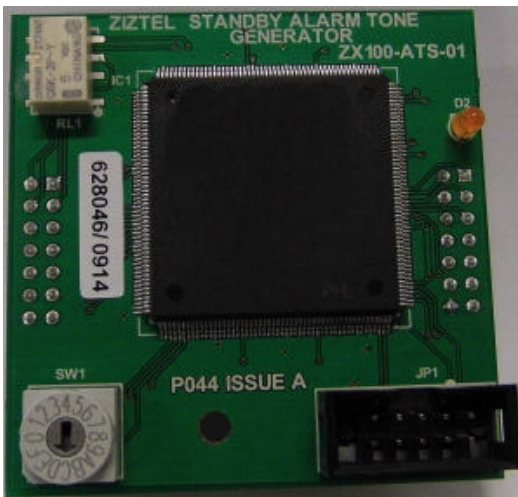
Secure – Designed to provide N+1 hot standby

*Simple to install – Plug in/out to
host ZX100 management*

The ZX100-ATS-01 is a compact plug in/out module which carries a complete on board PAGA alarm tone subsystem. The unit is intended to provide back-up alarm tone capability in critical life safety alarm tone broadcast systems and is configured in redundant N+1 execution to ensure continued alarm tone capability in event of “on line” alarm tone trouble.

The unit is P.C. configurable enabling project specific alarm tone frequency/cadences to be securely embedded in a non-volatile environment. Configuration files are small enough to be e mailed where required and down loaded locally without resorting to costly chip exchanges which are a feature of legacy systems.

The ZX100-ATS-01 module plugs into the ZEST ZX100 host management and is activated with minimal impact to the host equipment. LED indications give unambiguous status of the standby alarm package and on board supervision provides early warning of subsystem deterioration enabling appropriate engineer investigation.



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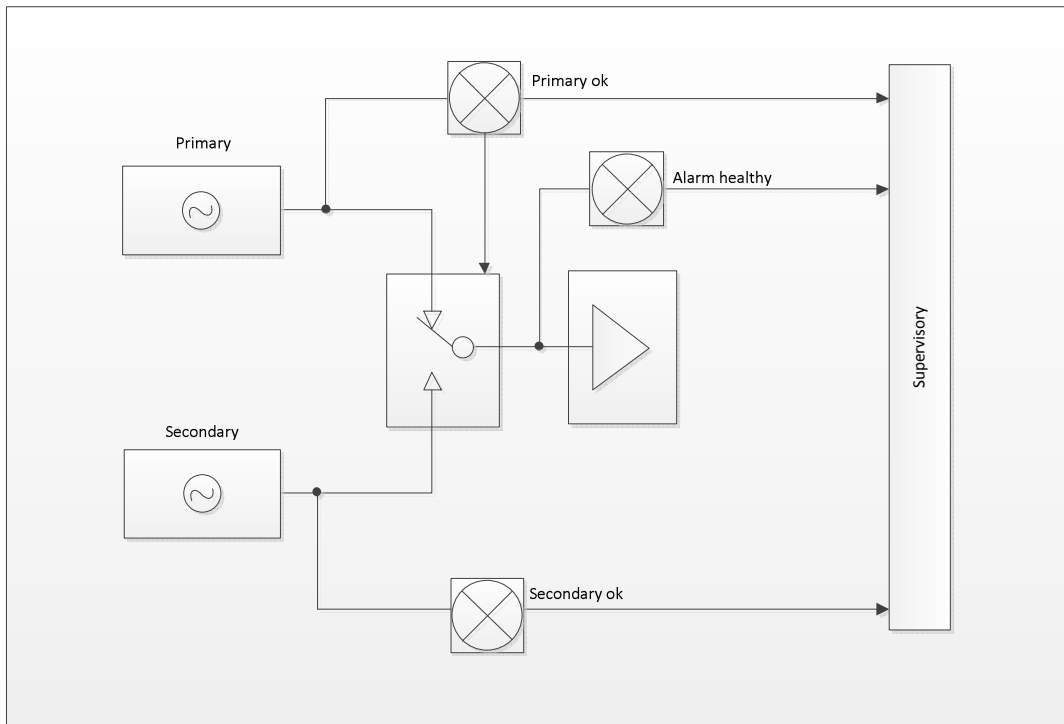
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Photo shows ZX100 withdrawn from host rack



ZX100 management accepts plug in ZX100-ATS-01 module

Simplified Block Diagram ZX100 alarm subsystem



Technical Specification	
Supply	+3.3Vdc (Phantom powered from host)
Consumption	100mW
Output	Optional dual alarm tone channels enabling simultaneous broadcast of two different alarm tones to two different zones.
Number of Alarm tones	Up to 32
Alarm tone Cause and Effect	Configurable
Alarm tone cadence / frequency	Configurable
Changeover from online to standby	Automatic
Supervisory	Major fault report in event of subsystem trouble
Interface	Multi-way DIL headers
Operating clock	2MHz
Configuration	JTAG interface
Dimensions	60mm x 70mm x 15mm
Weight	100g
Temperature range	-25 °C to +70 °C
Service Location	Internal safe area

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