

LTD002X

BEACON PORT LTD002S EXPANSION MODULE

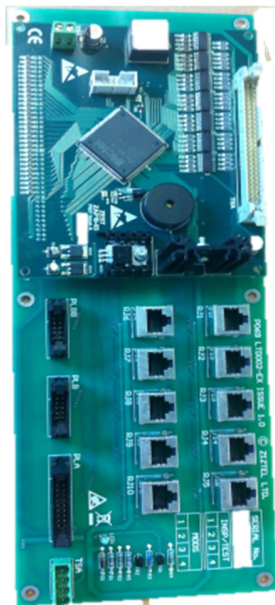


DS-245 Issue 01

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.

Consequently our products are very robust and designed to comply with international standards.

Please do not hesitate to contact us for further information on our products we look forward to working with you on a project soon...



LTD002X module

ZITTEL LTD002X expansion port

Control of up to 1400 flashing beacons from a single ZX100 SLIC D output – Site-wide visual alarm coverage

Fully supervised critical path – Early warning of system deterioration

No software in critical path – High security suitable for mission critical execution

The LTD002X is an expansion facility that allows up to ten Zitel LTD002S beacon line termination devices to be controlled from a single ZX100 SLIC D slot.

The unit comprises of a DIN rail mount assembly which carries a Zitel ZAP10-03 FPGA based controller that extends both operational and supervisory commands from a host ZX100 PAGA management processor.

The LTD002X is energised from 48V_{DC} low tension supply and carries RJ45 industry standard sockets to allow convenient patch cord connectivity to the LTD002S flashing beacon devices. An auxiliary output facilitates display of each LTD002S on a remote rack mount 1U panel to enable rapid fault finding and service.



Photo shows from the top: ZX100 PAGA system processor, underneath this is the LTD002X expansion status display unit.

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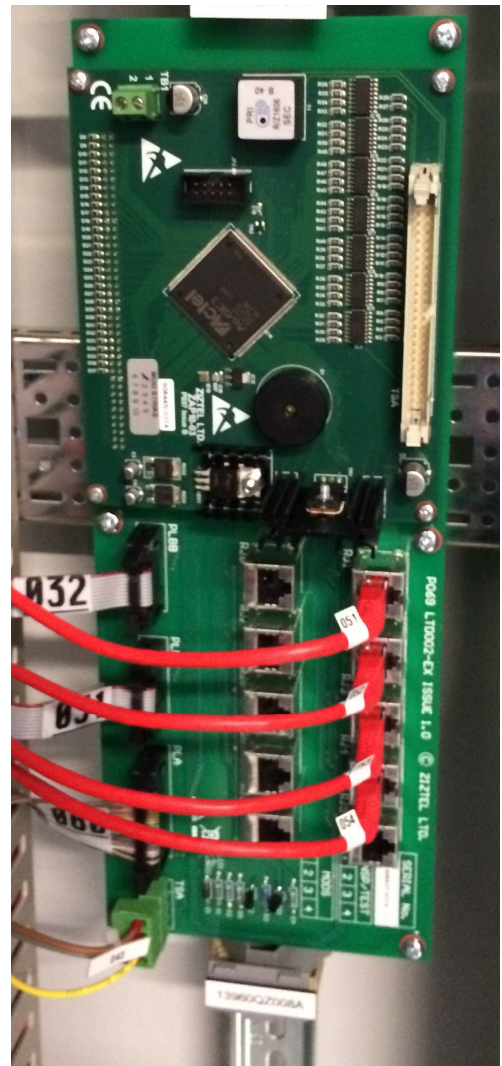
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Technical Specification	
Supply	48V _{DC}
Consumption	100mA
Number of Outputs	10x RJ45
Input	SLIC D
SLIC D Connectivity	2x 10-way IDC
Display Connectivity	1x 20-way IDC
Temperature	-30 °C to +70 °C
Location	Safe area
Weight	1.2Kg

The LTD002X module is fully configurable by PC file download enabling complex cause and effect plans including multiple colour flashing status lights, zoned flashing beacons and high noise sites where extensive visual signaling is required. No 'one-time-programmable' devices are employed and the system is totally non-'software dependent' enabling secure usage on mission critical PAGA applications. Note that the existing standard ZX100 LTD002S control outputs are still available to control further LTD002S beacon line termination devices if required.

Photo right shows LTD002X installed in the equipment rack MDF, note the ten RJ45 outlets enabling simple installation and connection of up to ten LTD002s flashing beacon termination devices. In the application shown only four of the ten outputs are engaged.



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