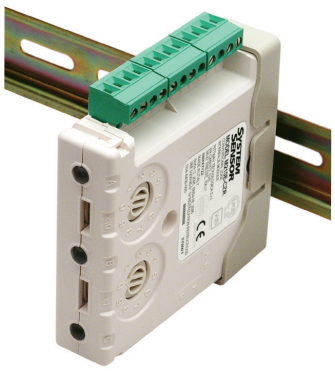
ANALOGUE - Conventional Zone Monitor Module Model M210E-CZ

Overview



Features

- Connection of a zone of IS conventional detectors to intelligent systems
- Built in isolation
- Monitors open circuit and short circuit faults
- TRI – Colour Status LED
- Zone powered from comms line or 24V PSU
- Remote reset of conventional zone
- Compatible with:
  - IS conventional detectors
  - S300/ECO1000 detectors
  - 6500R and 6500RS optical beam detectors
- Monitoring of external power supply
- External fault input
- Fits M200E-SMB mounting box / M200E-DIN module rack + M200E – PMB panel mount bracket Connection

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Description

The M210E-CZR conventional zone monitor module allows a zone of IS conventional detectors to be connected to a System Sensor analogue addressable system. The conventional zone can be powered from the analogue communication line or from an external power supply. Where the conventional zone is powered from an external power supply, the communication line is fully isolated from the conventional zone and from the power supply.

A fault signal will be transmitted to the panel in case of an open circuit or short circuit on the conventional zone wiring or when the external fault input is pulled low.

Architect/Engineer Specifications

M210E-CZR Conventional Zone Monitor Module

Electrical Specifications

Max Standby current @ 24V	500uA (communication every 5s with LED blink enabled, with external supply for conventional zone)
Max Standby current @ 24V	6.7mA (communication every 5s with LED blink enabled, loop powered conventional zone, R. EOL only)
Maximum conventional zone current limit	60mA
External power supply voltage	12 – 28.5V (if loop powered)
Maximum series resistance	50Ω
Max LED current @ 24VDC	Green 6.6mA Red 2.2mA Yellow 8.8mA
Initial power up time	3 seconds

Environmental Specifications

Operating Temperature	-20^{0}C to 60^{0}C
Humidity	5% to 95% Relative Humidity (non-condensing)

Mechanical Information -240

Height	23mm
Length	93mm
Width	83mm
Weight	110g
Maximum Wire Gauge for Terminals	$2.5mm^{2}$

WEEE/RoHS/REACH Assessment

M210E-CZR Product Evaluation Record

General information

Manufacturing Location	System Sensor Trieste
	Pittway tecnologica S.r.l.
	Via Caboto 19/3
	34147 Trieste, Italy `
Model Numbers	M210E-CZR and all OEM Verisons
Product description	Conventional Zone Module 200 Series Resistive Eol
Product Life Cycle	Life span expectancy of >20 years (assuming that environmental conditions have been taken into consideration and the modules are regularly maintained)

Material Content

Name Of Part	Material	RoHS	Hazardous	Recycling Instruction (WEEE is out of scope)
Cover	ABS	Yes	Non-hazardous	Recycled by regrinding into granules and blending with virgin material or landfilled
Light pipe	Polystirene	Yes	Non-hazardous	Re-used or recycled
Knobs	POM, Tinned steinless steel		Non-hazardous	Re-used or recycled
Terminal block	PA6.6-FR, Tinned Brass	Yes	Non-hazardous	Re-used or recycled
Printed Circuit Board	FR4 (Epoxy,Glass)	Yes	Non-hazardous	Re-used or recycled
	SAC305 (Copper Coating, Solder)			
Printed Circuit Board Components	Metals, Plastics, Ceramics, Tin Stainless Steel, Tin Brass	Yes	Non-hazardous	Re-used or recycled

Energy Consumption

Max Average Standby Power @ 24V:	12mW (communication every 5s with LED blink enabled, with external supply for conventional zone)
Max Average Standby Power @ 24V:	161mW (communication every 5s with LED blink enabled, loop powered conventional zone, R. EOL only)
Max Alarm Power @ 24V:	1.44W (LED on)

Environmental Permit

System Sensor Trieste Facility (address as above) approved to ISO 14001. These products do not require an environmental permit.

Packaging

Primary packaging	Clamp pack
Secondary packaging	Masterbox (10 clamp pack per M.box) and Shippingbox (10 M.box per S.box): cardboard, PET
Transportation packaging	Pallet (wooden platform), wrapping (polyethylene 04)

Additional Information

The purpose of this report is to provide information on the environmental aspects of the product, emphasis being on the material content and the energy consumption. Since there are not any emissions of harmful substances during the use of this product or in the manufacturing process of it, it is not necessary to specify these factors in this report. Also the transportation emissions are not included.

System Sensor (Technical Services)

System Sensor Europe
Unit C2
Foundry Lane, Horsham, West Sussex
RH13 5YZ, UK
Tel: +44 (0)1403 330240
Fax: +44 (0)1403 330695
Email: sse.technical@systemsensor.com
www.systemsensoreurope.com

System Sensor Europe (Customer Services)

Life Safety Distribution GmbH
Javastrasse 2, 8604 Hegnau
Switzerland
Tel: 0041 44 943 4400
Email: orders@systemsensor.com
www.systemsensoreurope.com

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