

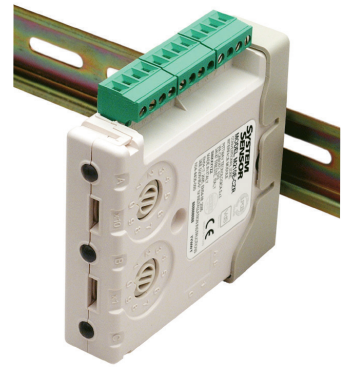
ANALOGUE - Conventional Zone Monitor Module

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:
 - o IS conventional detectors
 - o S300/ECO1000 detectors
 - o 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



M210E-CZ 199v/07

0832 - CPD - 0799

G205144

B-9073-FD-K 610-d

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°C to 60°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 stainless 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, | Yes | Non-hazardous | Re-used or recycled |
| | Tin Stainless Steel, Tin Brass | | | |

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.

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