

ANALOGUE - Conventional Zone Monitor Module M210EA-CZ and M210EA-CZR

Overview

Features

- M210EA-CZ single input conventional zone module (EOL capacitor)
- M210EA-CZR single input conventional zone module (EOL resistor)
- Connection of a zone of IS (Intrinsically Safe) conventional detectors to intelligent systems (only CZR)
- Connection of a zone of conventional detectors to intelligent systems (CZ and CZR)
- Full backward compatibility
- Common mechanical platform for modules' enclosure
- Built-in short circuit isolators
- Monitors open circuit and short circuit faults
- CLIP and advanced protocol
- Addressability through rotary switches
- TRI-colour light pipes
- Improved light guides visibility on two sides
- Integrated DIN rail brackets
- Zone powered from comms line or 24V PSU
- Remote reset of conventional zone
- Compatible with:
 - IS conventional detectors (only CZR)
 - 100, 400 and EC series detectors
 - S300/ECO1000 detectors
 - 6500RE and 6500RSE optical beam detectors
- Monitoring of external power supply
- External fault input
- Fits M200E-SMB mounting box
- Lasered engraved label data
- Intertek approved



Description

The M210EA-CZ (M210EA-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

M210EA-CZ/CZR Conventional Zone Monitor Module

Electrical Specifications

Intelligent Loop	
Operating Voltage Range	15 to 32VDC
LED Cutoff Voltage	16.5 VDC
Max Standby Current @ 24V	120 uA - (No communication, conventional zone externally power supplied connected to EOL only) 1.3mA - (No communication, conventional zone loop powered connected to capacitive EOL only) 6.3mA - (No communication, conventional zone loop powered connected to resistive EOL only)
Conventional Zone	
Supply Voltage	18 to 32 VDC (either from loop or external supply)
Max Standby Load Current (CZ)	3mA in 18-32V range
Max Standby Load Current (CZR)	3,8mA in 18-32V range
Max Conventional Line Resistance	50 Ohm
Max Zone Load (CZ)	17.5mA (limited internally)
Max Zone Load (CZR)	60mA (limited internally)
End of Line Capacitor (CZ)	47µF non-polarised (Supplied)
End of Line Resistor (CZR)	3.9 kOhm, 5% (Supplied)

Environmental Specifications

Application Temperature Range	-20°C to 60°C
Humidity	5% to 95% Relative Humidity (non-condensing)
IP Rating	IP30 (IP44 in M200E-SMB)

Mechanical Information

Height	22mm
Length	93mm (including terminal blocks)
Width	99mm (including DIN brackets)
Weight	118g
Maximum Wire Gauge for Terminals	2.5mm ²

System Sensor (Technical Services)

System Sensor Europe
Email: sse.technical@systemsensor.com
www.systemsensoreurope.com

System Sensor Europe (Customer Services)

Z.A. La Pièce 16
Rolle, 1180
Switzerland
Tel: +41 21 695 30 00
Email: orders@systemsensor.com
www.systemsensoreurope.com