Railway Approved

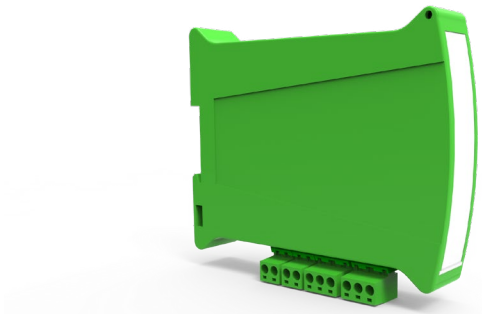
EN50155

CHQ-DZM(SCI)-IS/DIN-RWY

Intelligent Analogue Addressable Dual Zone Monitor (DIN Rail Version)

Features

- Single loop powered
- Requires an auxiliary 24V dc supply
- Supports two independent zones of conventional detectors
- Both zones fully monitored for short/open circuit
- Auxiliary monitored input
- Module enclosure version available
- Both models feature an integral short-circuit isolator
- SIL Level 2 approved variant available
- EN45545-2 Fire hazard level: HL1, HL2, HL3
- EN45545-2 Evaluation requirement: R25
- Approved for railway use.



Description

Model CHQ-DZM(SCI)-IS/DIN-RWY is a dual zone module which is fully compatible with Hochiki's ESP analogue addressable protocol and I.S. equipment.

Addressing is achieved via simple DIL switches. The device is designed to allow up to 40 (20 per zone) Conventional I.S. CDX range detectors (SOC-E-IS or DCD-1E-IS) in the hazardous area to be interfaced to Hochiki's ESP analogue addressable system within the safe area*.

(Please note that this module should only be installed in the safe area). The conventional zones on the CHQ-DZM(SCI)-IS/DIN-RWY do not support any line continuity options; therefore if Call Points are being interfaced they should be wired at the beginning of the zone.

Specification

Ordering code	CHQ-DZM(SCI)-IS/DIN-RWY
Operating voltage	17 - 41 VDC
Quiescent current (typ)	330 µA
Zone output voltage	15.3 - 17.1 V
Output rating**	24 VDC 8.5 mA
Approved temperature range	-25°C to + 70°C
Recommended temperature range	-10°C to + 50°C
Recommended storage temperature range	-30°C to + 60°C
E.O.L. device options	10 KΩ resistor (supplied with unit)
Zone resistance	50 Ω Max
Zone capacitance	0.3 µ F (max)
Zone loading (max.)	Upto 20 SLR-E-IS or DCD-1E-IS (or a mixture of both)
Colour / case material	Green / ABS (DIN Module)
Weights (g) / Dimensions (mm)	130 / L108 x W119 x D24
Atmospheric pressure range	No specified restrictions

*** An appropriate barrier must be used.**
**** Output Rating (24V 8.5mA) is for remote indication outputs**
24 V Power supply required.