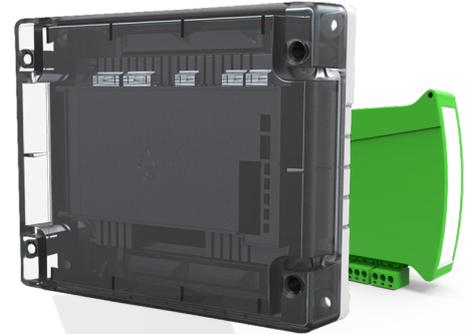


ESPintelligent CHQ-DZM(SCI)-IS

Analogue Dual Zone Monitor

Features

- ▶ Single Loop powered
- ▶ Requires an auxiliary 24 VDC power supply
- ▶ Provides and supports two independent zones of conventional detectors
- ▶ Both zones fully monitored for short/open circuit
- ▶ Auxiliary monitored input
- ▶ Also available as DIN
- ▶ Both models feature an integral SCI
- ▶ Deeper, glanded IP65 backbox available
- ▶ Can be used with CHQ-BACKBOX to comply with BS 7671
- ▶ Marine and Railway Approved variants available.



Description

Model CHQ-DZM(SCI)-IS is Dual Zone Module which is fully compatible with Hochiki's ESP analogue addressable protocol and I.S. equipment. The unit is also available as a DIN Rail mountable module. 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 (SLR-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 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/M(SCI)-IS - SCI Module / CHQ-DZM/DIN/M(SCI)-IS - DIN Module with SCI | | |
| Operating voltage | 17 – 41 VDC | | |
| Low power mode (typ) | 110 µA | | |
| Quiescent current (typ) | 330 µA | | |
| Current consumption (external) | (Quiescent) 2 mA, (Alarm) 70 mA (Both zones in fire) | | |
| Capacitance on zone | 0.3 µF max. | | |
| Resistance on zone | 50 Ω max. | | |
| Operating temperature range | -10 °C to +50 °C | | |
| Storage temperature range | -30 °C to +60 °C | | |
| E.O.L device options | 10 KΩ resistor (supplied with unit) | | |
| Zone output voltage | 15.3 - 17.1 V | | |
| Output rating** | 24 VDC 8.5 mA | | |
| Colour, Case Material and Weights / Dimensions (mm) | CHQ-DZM(SCI)-IS | Ivory White / ABS 682g | (with lid) L 157 x W 127 x D 35 (with lid and backbox) D 79 |
| | CHQ-DZM/DIN(SCI)-IS | Green / ABS 130g | L 108 x W 119 x D 24 |

* An appropriate barrier must be used.

** Output Rating (24V 8.5mA) is for remote indication outputs