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 tempreture range	-10 °C to +50 °C
Storage tempreture 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

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