

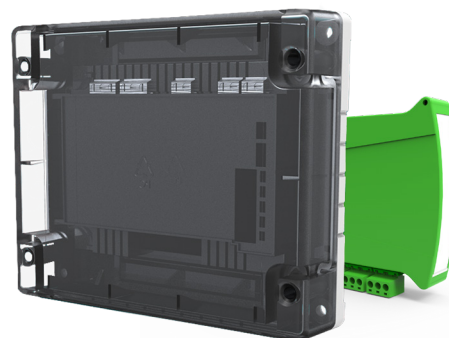
ESPintelligent CHQ-DZM(SCI)-IS

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 μ A		
Quiescent current (typ)	330 μ A		
Current consumption (external)	(Quiescent) 2 mA, (Alarm) 70 mA (Both zones in fire)		
Capacitance on zone	0.3 μ F 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 K Ω 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