

ESPintelligent CHQ-DZM(SCI)

Analogue Dual Zone Monitor

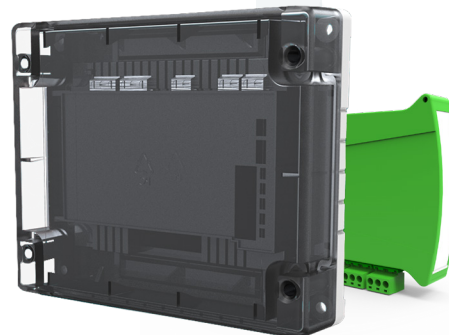
Features

- ▶ Single loop address
- ▶ Requires an auxillary 24 VDC power supply
- ▶ Provides and supports two independent zones of conventional detectors
- ▶ Both zones fully monitored for short/open circuit
- ▶ 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
- ▶ Approved by LPCB
- ▶ Marine and SIL2 variants available.

Description

Model CHQ-DZM(SCI) is a Dual Circuit Zone Controller designed to allow up to 60 conventional detectors (30 on each zone) to be interfaced to Hochiki's ESP analogue addressable system. The unit also features a Schottky Diode line continuity option, when used in resistive mode in conjunction with the optional LCMU.

Full monitoring against malfunction or disconnection, together with a self-test



feature through the ESP protocol, ensuring the integrity of the CHQ-DZM(SCI) at all times. The CHQ-DZM(SCI) utilises simple DIL switches for reliable addressing.

When Zenner Diode EOL option is chosen the conventional zone on the CHQ-DZM(SCI) does 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) - SCI Module / CHQ-DZM/DIN(SCI) - 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.		
Current in short circuit	8 mA		
Max short-circuit current (loop)	1 A		
Operating temperature range	-10 °C to +50 °C		
Storage temperature range	-30 °C to +60 °C		
E.O.L device options	TE-RH-E (supplied), 6K8 resistor or LCMU (6K8) (not supplied)		
Zone output voltage	15.3 - 17.1 V		
Output rating*	24 VDC 8.5 mA		
Quantity per zone	DCA, DFB, DFE – No Limit, SLG, SLK, SLR, SIF, SIH, SIJ, DCC, DCD, DFJ – 30 max, SPB-ET, SPC-ET or SRA-ET – 3 max, HF-24 Only one and no other detectors, DRD-E – 15 max, CCP-E - No limit		
Weights (g) / Dimensions (mm)	CHQ-DZM(SCI)	350 (585 with lid and backbox)	(with lid) L 157 x W 127 x D 35 (with lid and backbox) D 79
	CHQ-DZM/DIN(SCI)	130	L 108 x W 119 x D 24

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