eurotech®
FIRE SYSTEMS LIMITED

Version 1.1/24

Hochiki Analogue Dual Zone Monitor (CHQ-DZM(SCI))



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 CHQDZM(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.

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.

TECHNICAL SPECIFICATION

Ordering codes	CHQ-DZM(SCI) - SCI Module / CHQ-DZM/DIN(SCI) - 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.		
Current in short circuit	8 mA		
Max short-circuit current (loop)	1 A		
Operating temp range	-10 °C to +50 °C		
Storage temp 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 ** Output Rating (24V 8.5mA) is for remote indication outputs*		
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		
Weight (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

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