

# Analogue Dual Zone Monitor

## CHQ-DZM(SCI)



### Features

- ▶ Single loop address
- ▶ Supports two independent zones of conventional detectors
- ▶ Both zones fully monitored for short/open circuit
- ▶ Requires an auxiliary 24V dc supply
- ▶ DIN rail version available
- ▶ Both models feature an integral short circuit isolator
- ▶ Approved by LPCB
- ▶ SIL Level 2 approved variant 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 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. It is available as an OEM version (as illustrated above) and also as a DIN Rail mountable module (CHQ-DZM/DIN(SCI)). Both models feature an integral short-circuit isolater.

**When Resistive EOL option is chosen the conventional zone on the CHQ-DZM(SCI) does not support any line continuity options, therefor if Call Points are being interfaced they should be wired at the beginning of the zone.**

### Specification

Ordering Code	CHQ-DZM(SCI) (as shown) CHQ-DZM/DIN(SCI) (DIN module)		
Operating Voltage	17 - 41 V dc		
Low Power Mode (typ)	110 $\mu$ A		
Quiescent Current (typ)	330 $\mu$ A		
Current Consumption (External)	(Quiescent) 2 mA, (Alarm) 70 mA (Both zones in fire)		
Capacitance on Zone	0.3 $\mu$ F Max		
Resistance on Zone	50 $\Omega$ Max		
Current in short circuit	8 mA		
Max short-circuit current (Loop)	1 A		
Operating temperature range	-10 $^{\circ}$ C to +50 $^{\circ}$ C		
Storage temperature range	-30 $^{\circ}$ C to +60 $^{\circ}$ C		
E.O.L Device options	TE-RH-E (supplied), 6K8 resistor or LCMU (6K8) (not supplied)		
Output Rating	24 V dc 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	L=157 x W=127 x D=35 (CHQ Module plus Lid) D=79 (CHQ Module plus lid plus CHQ-BACKBOX) add 235 to module weight when using CHQ-BACKBOX) L108 x W119 x D24 (CHQ DIN Module)
	CHQ-DZM/DIN (SCI)	130	

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