



CHQ-DZM(SCI)/SIL

Analogue Dual Zone Monitor

Features

- ▶ SIL Level 2 approved
- ▶ Ideal for use in oil and gas environments
- ▶ Single loop address
- ▶ Supports two independent zones of conventional detectors
- ▶ Both zones fully monitored for short/open circuit
- ▶ Requires an auxiliary 24 VDC supply
- ▶ Both models feature an integral short circuit isolator
- ▶ Approved by LPCB



Description

Model CHQ-DZM(SCI)/SIL 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)/SIL at all times. The CHQ-DZM(SCI)/SIL utilises simple DIL switches for reliable addressing.

When Resistive EOL option is chosen the conventional zone on the CHQ-DZM(SCI)/SIL 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

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 $^{\circ}$ 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 VDC 8.5 mA		
Quantity per zone	SLR, DCD, DFJ – 30 max, SPB-ET, SPC-ET, Only one and no other detectors, DRD-E – 15 max, CCP-E - No limit		
Weights (g) & Dimensions (mm)	CHQ-DZM(SCI)/SIL	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)

Ordering Codes

Product

Analogue Dual Zone Monitor

Part Number

CHQ-DZM(SCI)/SIL



For further information visit www.hochikieurope.com/silapproved

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