

Analogue IS Compatible Dual Zone Module

CHQ-DZM(IS)



Features

- ▶ Single loop address
- ▶ Requires an auxiliary 24Vd.c. supply
- ▶ Supports two independent zones of Hochiki I.S. Conventional Detectors
- ▶ Both zones fully monitored for short/open-circuit
- ▶ "Smart-Fix" Housing System for flexibility
- ▶ Available as DIN-Rail version
- ▶ Both versions available with or without integral SCI
- ▶ Monitored input

Description

Model CHQ-DZM(IS) is a Dual Zone Module which is fully compatible with Hochiki's ESP analogue addressable protocol and I.S. equipment. The unit will allow connection of up to forty Hochiki I.S. conventional detectors through a **Galvanic isolator**, which are fully monitored for open and short circuit. Two remote indicator outputs and one auxiliary input are also provided. A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-DZM(IS), increases the IP rating to IP65. The unit also features two remote indicator outputs, one per zone.

The conventional zone on the CHQ-DZM(IS) does not support any line continuity options; therefore if Call Points are being interfaced they should be wired at the beginning of the zone. **(Please note that this module should only be installed in the safe area).**

Specification			
Ordering Codes *1		CHQ-DZM(IS) (module) CHQ-DZM(IS)(SCI) (module with SCI) CHQ-DZM(IS)/DIN (DIN module) CHQ-DZM(IS)/DIN(SCI) (DIN module with SCI)	
Operating Voltage		17 - 41Vd.c.	
Low Power Mode (0.75s)		110µA*2	
Quiescent Current (typ)		300µA*2	
Current Consumption (External)		(Quiescent) 11mA min (plus detector load) (Alarm) 100mA (both zones in fire)	
Current in short-circuit		8mA (SCI models only)	
Maximum short-circuit current		1A (SCI models only)	
Capacitance Per Conventional Zone		0.3µF Max	
Resistance Per Conventional Zone		50Ω Max	
Operating Temperature Range		-10°C to +50°C	
Storage Temperature Range		-30°C to +60°C	
Maximum Humidity		95%RH - Non Condensing (at 40°C)	
E.O.L Devices		10KΩ resistors (supplied with module)	
Input threshold level		ON=470Ω, Short cct <50Ω, Open cct >100KΩ	
Supported Barriers		MTL 3043, 4061, 5061, KFDO-CS-Ex1.51, KFDO-CS-Ex2.51, KFDO-CS-Ex1.51P, KFDO-CS-Ex2.51P	
Remote Output Rating (1 & 2)		24Vd.c., 8mA	
Detectors per Zone		SLR-E-IS (or DCD-1E-IS) & CCP-E-IS : 20 max	
Weights & Dimensions	CHQ-DZM(IS)	325g	L=157mm x W=127mm x D=35mm (module inc lid) D=79mm (module inc lid, plus CHQ-BACKBOX) Add 235g to module weight when using CHQ-BACKBOX
	CHQ-DZM(IS)(SCI)	328g	
	CHQ-DZM(SCI)/DIN	111g	L=119mm x W=108mm x D=24mm
	CHQ-DZM(SCI)/DIN(SCI)	114g	
Colour and enclosure material		CHQ Module & CHQ-BACKBOX White ABS, DIN Module Green ABS, Module Lid Semi-Opaque Black ABS as standard (white version – CHQ-LID(WHT))	

*1 Fire alarm control panel compatibility required for these products. *2 SCI versions will take additional current (50µA).

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