

Analogue Single Zone Module

CHQ-SZM



Features

- ▶ Loop Powered with Single Loop Address
- ▶ Up to 6 Conventional Detectors
- ▶ Remote LED Output
- ▶ Fully Monitored for Short and Open Circuit Faults
- ▶ "Smart-Fix" Housing System for flexibility
- ▶ Available as DIN-Rail version
- ▶ Both versions available with or without integral SCI

Description

Model CHQ-SZM is a Single Zone Monitor designed to allow up to 6 conventional detectors to be interfaced to Hochiki's ESP analogue addressable system. The unit is also available as a DIN Rail mountable version; with or without an integral short-circuit isolator. The CHQ-SZM utilises simple DIL switches for reliable addressing. A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-SZM, increases the IP rating to IP65.

The conventional zone on the CHQ-SZM does not support any line continuity options; if Call Points are being interfaced they should be wired at the beginning of the zone.

Specification			
Order codes *1		CHQ-SZM (module) CHQ-SZM(SCI) (module with SCI) CHQ-SZM/DIN (DIN module) CHQ-SZM/DIN(SCI) (DIN module with SCI)	
Operating voltage		17 - 41 VDC	
Low Power Mode (0.75s)		150µA*2	
Quiescent current		250µA*2	
Current consumption		22 mA ± 20 % (polling)	
Current in short-circuit		8mA (SCI models only)	
Maximum short-circuit current		1A (SCI models only)	
E.O.L device		TE-RH-E (polarity conscious)	
Zone voltage		15.3V - 17.1V	
Zone resistance		50Ω (Max)	
Zone capacitance		0.3µF (Max)	
Detectors per zone		DCA, DFB, DFE – No limit. SLG, SLK, SLR, SIF, SIH, SIJ, DCC, DCD, DFJ – 6 max. SPB-ET, SPC-ET or SRA-ET– Only one and no other detectors. HF-24 – only one and no other detectors. Conventional Call Points – No limit	
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)	
Weights & Dimensions	CHQ-SZM	325g	L=157mm x W=127mm x D=35mm (module inc lid) D=79mm (module inc lid & CHQ-BACKBOX) (add 235g to module weight when using CHQ-BACKBOX)
	CHQ-SZM(SCI)	328g	
	CHQ-SZM/DIN	111g	L=119mm x W=108mm x D=24mm
	CHQ-SZM/DIN(SCI)	114g	
Colour and enclosure material		CHQ Module & CHQ-BACKBOX White ABS, DIN Module Green ABS, Module Lid Semi-Opaque Black ABS	

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