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)	$150\mu A$*[2]		
Quiescent current	$250\mu A$*[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	$0.3\mu F$ (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 ($50\mu A$).