

Analogue Mains Relay Controller

CHQ-MRC(SCI)



Features

- ▶ Loop powered
- ▶ Single loop address
- ▶ Single mains rated relay contact
- ▶ Relay Contact Rated at 250 V ac @ 5 A (resistive) & 48 V dc @ 2 A (resistive)
- ▶ Auxiliary monitored input
- ▶ DIN rail version available
- ▶ Both models feature an integral short-circuit isolator

Description

Model CHQ-MRC(SCI) is a Single Input/Output Module, which provides a single, mains-rated relay output for the control of such devices as dampers, extractors or plant and equipment shutdown. The monitored input can be used for local power supply fault monitoring or as a general-purpose input.

The unit is also available as a DIN Rail mountable version; with or without an integral short-circuit isolator. The CHQ-MRC(SCI) utilises simple DIL switches for reliable addressing. A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-MRC(SCI), increases the IP rating to IP65.

Specification

Order codes * ¹	CHQ-MRC(SCI) (module with SCI) CHQ-MRC/DIN(SCI) (DIN module with SCI)	
Operating voltage	17 - 41 V dc	
Low Power Mode (0.75s)	160 μ A	
Quiescent current	350 μ A	
Current consumption	22 mA \pm 20 % (polling)	
Current in short-circuit	8 mA	
Maximum short-circuit current	1 A	
Relay Contact Rating	48 V dc max, 2 A (resistive load), 250 V ac max, 5 A (resistive load). Mains AC switching should only be on the same phase as the control panel.	
Input E.O.L. resistor	10 k Ω , \pm 5%, 0.25 W	
Input threshold level	ON=470 Ω , Short cct <50 Ω , Open cct >100 K Ω	
Operating Temperature Range	-10 $^{\circ}$ C to +50 $^{\circ}$ C	
Storage Temperature Range	-30 $^{\circ}$ C to +60 $^{\circ}$ C	
Maximum Humidity	95%RH Non Condensing (at 40 $^{\circ}$ C)	
Weights (g) & Dimensions (mm)	CHQ-MRC(SCI) 328	L=157 x W=127 x D=35 (module inc lid) D=79 (module inc lid & CHQ-BACKBOX) (add 235 to module weight when using CHQ-BACKBOX)
	CHQ-MRC/DIN(SCI) 114	L=119 x W=108 x D=24
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) also available)	

*¹ Fire alarm control panel compatibility required for these products.

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