

# Analogue Mains Relay Controller

## CHQ-MRC(SCI)



### Features

- ▶ Loop Powered
- ▶ Single Address
- ▶ Single Mains Rated Relay Contact
- ▶ Relay Contact Rated at 250VAC @ 5 amp (Resistive) & 48Vd.c. @ 2 amps (Resistive)
- ▶ Auxiliary Monitored Input
- ▶ "Smart-Fix" Housing System for flexibility
- ▶ Available as DIN-Rail version
- ▶ Both models feature an integral SCI

### 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 Vd.c.	
Low Power Mode (0.75s)	160µA	
Quiescent current	350µA	
Current consumption	22 mA ± 20 % (polling)	
Current in short-circuit	8mA	
Maximum short-circuit current	1A	
Relay Contact Rating	48Vd.c. max, 2A (resistive load), 250Va.c. max, 5A (resistive load). Mains AC switching should only be on the same phase as the control panel.	
Input E.O.L. resistor	10kΩ, ±5%, 0.25W	
Input threshold level	ON=470Ω, Short cct <50Ω, Open cct >100KΩ	
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-MRC(SCI) 328g	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-MRC/DIN(SCI) 114g	L=119mm x W=108mm x D=24mm
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.