

Mains Relay Controller with SCI CHQ-MRC2(SCI)



Model CHQ-MRC2(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 an integral short-circuit isolator. The CHQ-MRC2(SCI) utilises simple DIL switches for reliable addressing.

FEATURES

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

SPECIFICATION

Operating Voltage	17 ~ 41 VDC
Low Power Mode	(0.75s) 100 µA
Quiescent Current	300 µA
Current Consumption	22 mA ± 20 % (polling)
Current in Short-Circuit	8 mA
Max Short-Circuit Current	1 A
Input E.O.L. Resistor	10 kΩ, ±5%, 0.25 W
Input Threshold Level	ON=470 Ω, Short cct <50 Ω Open cct >100 KΩ
Operating Temp Range	-10 °C to +50 °C
Storage Temp Range	-30 °C to +60 °C
Max Humidity	95% RH non-condensing (at 40 °C)
Relay Contact Rating no fuses are fitted on this device. The relay output circuit must therefore be protected by a suitable over-current protection device to prevent excessive current through the relay contacts. Refer to the relay contact specification in this document.	48 VDC max, 2 A (resistive load), 250 VAC max, 5 A (resistive load) – For mains ac switching, the Control Panel must be compliant with Low Voltage Directive for SELV circuits.

Weights (g) & Dimensions (mm)	Module	360	L=157 x W=127 x D=35 (Module plus Lid) D=79 (CHQ Module plus Lid plus CHQBACKBOX) (add 235 to module weight when using CHQ-BACKBOX)
	DIN Enclosure	145	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)		