Hochiki Analogue Mains Relay Controller (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 features an integral short-circuit isolator and 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
- Features an integral short-circuit isolator

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TECHNICAL SPECIFICATION

Ordering codes	CHQ-MRC2(SCI) - Module CHQ-MRC2/DIN(SCI) - DIN Module		
Operating voltage	17 – 41 VDC		
Low power mode (0.75s)	100 µA		
Quiescent current (typ)	300 µA		
Current consumption	22 mA ± 20 % (polling)		
Current in short circuit	8 mA		
Maximum short circuit current	1 A		
Relay contact rating* **	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.		
Input EOL resistor	10 kΩ, ±5%, 0.25 W		
Input threshold level	ON=470 Ω, Short cct <50 Ω, Open cct >100 KΩ		
Storage / Operating temperature range	-30 °C to +60 °C / -10 °C to +50 °C		
Maximum humidity	95% RH non-condensing (at 40 °C)		
Colour / 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)		
Weight (g) Dimensions (mm)	Module	360 (add 235 to module weight when using CHQ-BACKBOX)	L157 x H127 x H35 (Module plus Lid) H79 (CHQModule plus Lid plus CHQ,BACKBOX)
	DIN Module	145	L119 x H108 x D24

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

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