

Analogue Dual Relay Controller

CHQ-DRC(SCI)



Features

- ▶ Loop Powered
- ▶ Single Address
- ▶ 2 Independently Controlled Changeover relays
- ▶ Relays Contact Rated at 30Vdc at 1 amp
- ▶ Auxiliary Monitored Input
- ▶ "Smart-Fix" Housing System for flexibility
- ▶ Available as DIN-Rail version
- ▶ Both models feature an integral SCI

Description

Model CHQ-DRC(SCI) is a Dual Relay Controller designed to provide two general-purpose relay outputs, each output can be driven separately for control of such devices as dampers or for control of 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; both models feature an integral short-circuit isolator. The CHQ-DRC(SCI) utilises simple DIL switches for reliable addressing. A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-DRC(SCI), increases the IP rating to IP65.

Specification			
Order codes* ¹		CHQ-DRC(SCI) (module with SCI) CHQ-DRC/DIN(SCI) (DIN module with SCI)	
Operating voltage		17 - 41 Vd.c.	
Low Power Mode (0.75s)		170µA	
Quiescent current		300µA	
Current consumption		22 mA ± 20 % (polling)	
Current in short-circuit		8mA	
Maximum short-circuit current (Loop)		1A	
Relay Contact Rating		30 Vd.c. max, 1A (resistive load)	
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-DRC(SCI)	343g	L=157mm x W=127mm x D=35mm (Module & Lid) D=79mm (Module, Lid & CHQ-BACKBOX) (add 235g to module weight when using CHQ-BACKBOX)
	CHQ-DRC/DIN(SCI)	124g	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.