

# Analogue Dual Relay Controller

## CHQ-DRC



### 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 versions available with or without integral SCI

### Description

Model CHQ-DRC 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; with or without an integral short-circuit isolator. The CHQ-DRC utilises simple DIL switches for reliable addressing. A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-DRC, increases the IP rating to IP65.

### Specification

Order codes* <sup>1</sup>		CHQ-DRC (module) CHQ-DRC(SCI) (module with SCI) CHQ-DRC/DIN (DIN module) CHQ-DRC/DIN(SCI) (DIN module with SCI)	
Operating voltage		17 - 41 Vd.c.	
Low Power Mode (0.75s)		120µA* <sup>2</sup>	
Quiescent current		250µA* <sup>2</sup>	
Current consumption		22 mA ± 20 % (polling)	
Current in short-circuit		8mA (SCI models only)	
Maximum short-circuit current (Loop)		1A (SCI models only)	
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	340g	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(SCI)	343g	
	CHQ-DRC/DIN	120g	L=119mm x W=108mm x D=24mm
	CHQ-DRC/DIN(SCI)	124g	
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))	

\*<sup>1</sup> Fire alarm control panel compatibility required for these products. \*<sup>2</sup> SCI version will take additional current (50µA).