

# Marine Approved Analogue Dual Relay Controller

## CHQ-DRC/M(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
- ▶ Features an integral SCI
- ▶ Approved by LPCB, LR & GL

### Description

Model CHQ-DRC/M(SCI) is a Marine Approved Dual Relay Controller module 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 also features an integral short-circuit isolator. The CHQ-DRC/M(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/M(SCI), increases the IP rating to IP65.

Specification	
Order code	CHQ-DRC/M(SCI) (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	-25°C to + 70°C
Storage Temperature Range	-30°C to + 70°C
Maximum Humidity	95%RH Non Condensing (at 40°C)
Weights & Dimensions	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)
Colour and enclosure material	CHQ Module & CHQ-BACKBOX White ABS, Module Lid Semi-Opaque Black ABS as standard (white version – CHQ-LID(WHT) also available)
Approvals	LPCB, LR & GL