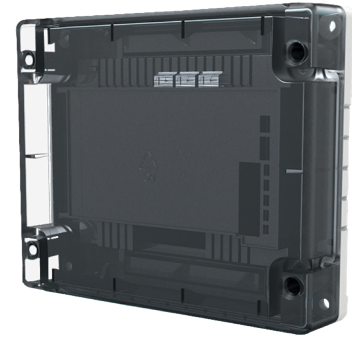


# CHQ-DRC2/M(SCI)

## Marine Approved Addressable Dual Relay Controller with SCI

### Features

- ▶ Approved to MED by DNV
- ▶ Loop powered with single loop address
- ▶ Provides 2 Independently controlled changeover relays
- ▶ Relays contact rated at 30 VDC at 1 A
- ▶ Auxiliary monitored input
- ▶ Features an integral SCI
- ▶ Can be used with CHQ-BACKBOX to comply with BS 7671
- ▶ SIL2 and Railway Approved variants available.



### Description

Model CHQ-DRC2/M(SCI) is a marine approved 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 features an integral short-circuit isolator. The module utilises simple DIL switches for reliable addressing. A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the module, increases the IP rating to IP65.

### Specification

|                               |  |   |   |
|-------------------------------|--|---|---|
| Ordering codes                | CHQ-DRC2/M(SCI)  |   |   |
| Operating voltage             | 17-41 VDC  |   |   |
| Low power mode (0.75s)        | 170 $\mu$ A  |   |   |
| Quiescent current (typical)*1 | 300 $\mu$ A  |   |   |
| Current consumption           | 22 mA $\pm$ 20 % (polling)   |   |   |
| Current in short-circuit      | 8 mA   |   |   |
| Maximum short-circuit current | 1 A (loop)   |   |   |
| Relay contact rating          | 30 VDC max, 1A (resistive load)  |   |   |
| Input E.O.L. resistor         | 10 k $\Omega$ , $\pm$ 5%, 0.25 W   |   |   |
| Input threshold level         | ON=470 $\Omega$ , Short-circuit <50 $\Omega$ , Open-circuit >100 K $\Omega$  |   |   |
| Operating temperature range   | -10°C to + 50°C  |   |   |
| Storage temperature range     | -30°C to + 60°C  |   |   |
| Maximum humidity              | 95%RH - Senza condensa (a 40°C)  |   |   |
| Weight (g) Dimensions (mm)    | Module Enclosure   | 343<br>(add 235 to weight when using CHQ-BACKBOX) | L157 x W127 x D35 (Module & Lid)<br>D79 (Module, Lid + CHQ-BACKBOX) |
| Colour and material           | CHQ Module & CHQ-BACKBOX White ABS, Module Lid Semi-Opaque Black ABS as standard (white version – CHQ-LID(WHT) also available) |   |   |

