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CHQ-DRC2/M(SCI)

Marine Approved Addressable Dual Relay Controller with SCI

Features

- 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
- Approved to MED by DNV
- Approved by VdS.



Description

Model CHQ-DRC2/M(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 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.

The module MUST be installed next to any Type 1 detection device (no transmission path should be present).

Specification		
Ordering codes	CHQ-DRC2/M(SCI)	
Operating voltage	17 – 41 VDC	
Low power mode (0.75s)	170 µA	
Quiescent current (typical)*[1]	300 µA	
Currect consumption	22 mA ± 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 kΩ, ±5%, 0.25 W	
Input threshold level	ON=470 Ω, Short-circuit <50 Ω, Open-circuit >100 KΩ	
Operating temperature range	-10°C to + 50°C	
Storage temperature range	-30°C to + 60°C	
Maximum humidity	95%RH - non condensing (a 40°C)	
Weight (g) / dimensions (mm)	343 (+ 235 with lid and backbox)	L157 x W127 x D35 (module & lid) 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)	
Approvals	**DNV rules for classification – Ships** IMO International Code for Fire Safety Systems (FSS Code) Chapter 9	**Location classes:** Temperature: B Humidity: A Vibration: A EMC: B

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