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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

Dual Relay Controller

Addressable - Devices

Part No. CHQ-DRC2-DIN(SCI)

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Product Details

Model CHQ-DRC2(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-DRC2(SCI) utilises simple DIL switches for reliable addressing. A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-DRC2(SCI), increases the IP rating to IP65.



Key Features

- Loop powered
- Single loop address
- 2 Independently controlled changeover relays
- Relays contact rated at 30 V at 1 A
- Auxiliary monitored input
- DIN-Rail version available
- Both models feature an integral short-circuit isolator
- Both models approved by LPCB
- SIL Level 2 approved variant available.

Technical Specifications

Operating Voltage		17 - 41 VDC	
Low Power Mode (0.75s)		170 µA	
Quiescent current		300 µA	
Current consumption		22 mA ± 20 % (polling)	
Current in short-circuit		8 mA	
Maximum short-circuit current		1 A (loop)	
Relay Contact Rating		30 VDC max, 1 A (resistive load)	
Input E.O.L. resistor		10 kΩ, ±5%, 0.25 W	
Input threshold level		ON=470 Ω, Short cct <50 Ω, Open cct >100 KΩ	
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 (g) & Dimensions (mm)	Module Enclosure	343	L=157 x W=127 x D=35 (Module & Lid) D=79 (Module, Lid & CHQ-BACKBOX) (add 235 to module weight when using CHQ-BACKBOX)
	DIN Enclosure	124	L=119 x W=108 x D=24
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.

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