ESP Intelligent

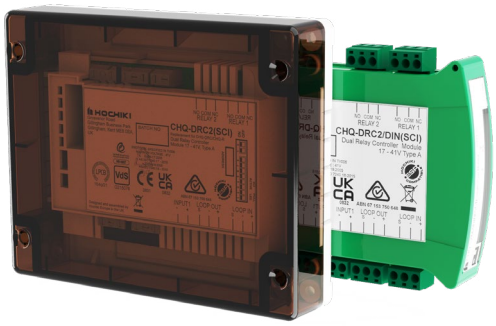
Your Safety, Our Technology

CHQ-DRC2(SCI)

Analogue Dual Relay Controller with SCI

Features

- Single loop address
- Loop Powered
- 2 Independently controlled changeover relays
- Relays contact rated at 30 VDC at 1 A
- Auxiliary monitored input
- DIN-Rail version available
- Both models feature an integral short-circuit isolator
- Both models approved by LPCB
- Approved to SIL2.



Description

Model CHQ-DRC2(SCI)/SIL 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)/SIL 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)/SIL, increases the IP rating to IP65.

Note: The state of the relay contacts will be indeterminate until the unit is powered.

Specification

Ordering codes	CHQ-DRC2(SCI) - Module with SCI / CHQ-DRC2/DIN(SCI) - DIN Module with 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 - Senza condensa (a 40°C)		
Weight (g) Dimensions (mm)	Module Enclosure	343 (add 235 to weight when using CHQ-BACKBOX)	L157 x W127 x D35 (Module & Lid) D79 (Module, Lid + CHQ-BACKBOX)
	DIN Enclosure	124	L119 x H108 x H24
Colour and 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)		

For further information visit our website.

Hochiki reserves the right to alter the specification of its products from time to time without notice. Although every effort has been made to ensure the accuracy of the information contained in this document it is not warranted or represented by Hochiki to be a complete and up-to-date description. Check online for current version.

HOCHIKI ISS2 AUG26