



Analogue Dual Relay Controller CHQ-DRC2/DIN(SCI)

Model CHQ-DRC2(SCI) is a Dual Relay Controller designed to provide two generalpurpose 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.

FEATURES

- Loop powered
- Single loop address
- 2 Independently controlled changeover relays
- Relays contact rated at 30 V dc 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

SPECIFICATION

Operating voltage	17- 41 V dc
Low Power Mode	(0.75s) 170 μ A
Quiescent current	300 μ A
Current consumption	22 mA \pm 20 % (polling)
Current in short-circuit	8 mA
Max short-circuit current	1 A (loop)
Relay Contact Rating	30 V dc max, 1 A (resistive load)
Input E.O.L. resistor	10 k Ω , \pm 5%, 0.25 W
Input threshold level	ON=470 Ω , Short cct <50 Ω , Open cct >100 k Ω
Operating Temp Range	-10 $^{\circ}$ C to +50 $^{\circ}$ C
Storage Temp Range	-30 $^{\circ}$ C to +60 $^{\circ}$ C
Max Humidity	95%RH Non Condensing (at 40 $^{\circ}$ C)