

Analogue Dual Sounder Controller

CHQ-DSC(SCI)



Features

- ▶ Single Loop Address
- ▶ Each Alarm Circuit Fused at 1 amp
- ▶ Two Independent Sounder Circuits, each Fully Monitored for Open and Short Circuit Faults
- ▶ Auxiliary Monitored Input
- ▶ Outputs can be Driven Continuously or Synchronised Pulsed Sounder Drive
- ▶ "Smart-Fix" Housing System for flexibility
- ▶ Available as DIN-Rail version
- ▶ Both models feature an integral SCI

Description

Model CHQ-DSC(SCI) is a Dual Sounder Controller, which has been designed to provide two sounder outputs (that can be driven separately) with full fault monitoring. The monitored input can be used for local power supply fault monitoring or as a general-purpose input. The unit utilises simple DIL switches for reliable addressing. A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-DSC(SCI), increases the IP rating to IP65.

| Specification | | | |
|--|------------------|---|---|
| Order codes* ¹ | | CHQ-DSC(SCI) (module with SCI) CHQ-DSC/DIN(SCI) (DIN module with SCI) | |
| Operating voltage | | 17 - 41 Vd.c. | |
| Low power mode | | 250µA | |
| Quiescent current (typ)* ² | | 340µA | |
| Current consumption | | 22mA ± 20 % (polling) | |
| Current in short-circuit | | 8mA | |
| Maximum short-circuit current (Loop) | | 1A | |
| External supply voltage | | 20-28.8 Vd.c. (24Vd.d. nominal) | |
| Current consumption (per Bell circuit) | | Sounder On - 8 mA, Sounder Fault - 6 mA | |
| Sounder output current | | 1A/line (max) fused @ 1.25A | |
| Sounder line capacitance | | 0.3µF/line max/line | |
| Sounder E.O.L resistor | | 1kΩ, ±5%, 2W | |
| Input E.O.L resistor | | 10kΩ, ±5%, 0.25W | |
| Input threshold levels | | ON=470Ω, short cct < 50Ω, open cct > 100KΩ, | |
| Operating Temperature Range | | -10°C to +50°C | |
| Storage Temperature Range | | -30°C to +60°C | |
| Weights & Dimensions | CHQ-DSC(SCI) | 360g | L=157mm x W=127mm x D=35mm (Module plus Lid) D=79mm (CHQ Module plus Lid plus CHQ-BACKBOX) (add 235g to module weight when using CHQ-BACKBOX) |
| | CHQ-DSC/DIN(SCI) | 145g | L=119mm x W=108mm x D=24mm |
| 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.

*² Add 200µA per Active Sounder Line.