# Analogue Dual Sounder Controller
# CHQ-DSC2(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
- Features an integral SCI
- Approved by LPCB

## Description

Model CHQ-DSC2(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-DSC2(SCI), increases the IP rating to IP65.

## Specification

| | | | |
|---|---|---|---|
| Ordering codes | | CHQ-DSC2(SCI) | (module with SCI) |
| | | CHQ-DSC2/DIN(SCI) | (DIN module with SCI) |
| Operating voltage | | | 17 - 41 V dc |
| Quiescent current (typ)*[1] | | | 350 μA |
| Current consumption | | | 22 mA ± 20 % (polling) |
| Current in short-circuit | | | 8 mA |
| Maximum short-circuit current (Loop) | | | 1 A |
| External supply voltage | | | 20-28.8 VDC (24 VDC nominal) |
| Current consumption (per bell circuit) | | | Sounder on – 8 mA, Sounder fault – 6 mA |
| Sounder output current | | | |
| Sounder line capacitance | | | 0.3 μF/line (max/line) |
| Sounder E.O.L. resistor | | | 1 kΩ, ±5%, 2 W |
| Input E.O.L. resistor | | | 10 kΩ, ±5%, 0.25 W |
| Input threshold levels | | | 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 |
| Weights (g) Dimensions (mm) | module | 360 | L=157 x W=127 x D=35 (Module plus Lid) D=79 (CHQ Module plus Lid plus CHQ-BACKBOX) (add 235 to module weight when using CHQ-BACKBOX) |
| | DIN | 145 | L=119 x W=108 x D=24 |
| Colour and enclosure material | Module | | CHQ Module & CHQ-BACKBOX White ABS, Module Lid Semi-Opaque Black ABS as standard (white version (CHQ-LID(WHT) also available) |
| | DIN | | Green ABS |

*[1] Add 200 μA per Active Sounder Line.

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