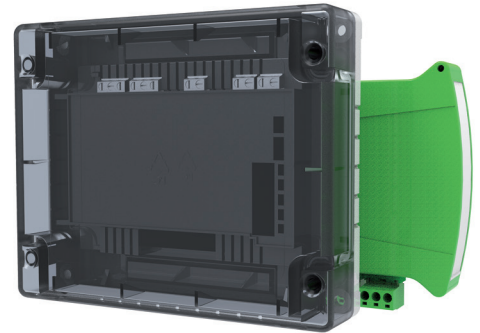


# ESPintelligent CHQ-DSC2(SCI)

## Analogue Dual Sounder Controller

### Features

- ▶ Single Loop Address
- ▶ Requires auxillary 24 VDC power supply
- ▶ Provides 2 independent sounder circuits, each fully monitored for open and short circuit faults
- ▶ Auxiliary monitored input
- ▶ Each alarm circuit fused at 1 amp
- ▶ Outputs can be driven continuously or synchronised pulsed sounder drive
- ▶ “Smart-Fix” housing system for flexibility
- ▶ Also available as DIN
- ▶ Features an integral SCI
- ▶ Deeper, gilded IP65 backbox available
- ▶ Can be used with CHQ-BACKBOX to comply with BS 7671
- ▶ Approved by LPCB
- ▶ Marine, SIL2 and Railway Approved variants available.



### 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-DCS2/DIN(SCI) - DIN Module with SCI  |  |  |
| Operating voltage                      | 17-41 VCC  |  |  |
| Quiescent current (typical)*1          | 350 $\mu$ A  |  |  |
| Current consumption                    | 22 mA $\pm$ 20 % (polling)   |  |  |
| Current in short-circuit               | 8 mA   |  |  |
| Maximum short-circuit current          | 1 A (loop)   |  |  |
| External supply voltage                | 20-28.8 VDC (24 VDC nominal)   |  |  |
| Current consumption (per bell circuit) | Sounder ON - 8mA<br>Sounder FAULT - 6mA  |  |  |
| Sounder output current                 | 1A/line (max) fused @ 1.25 A   |  |  |
| Sounder line capacitance               | 0.3 $\mu$ F/line (max/line)  |  |  |
| Sounder E.O.L. resistor                | 1 k $\Omega$ , $\pm$ 5%, 2 W   |  |  |
| Input E.O.L. resistor                  | 10 k $\Omega$ , $\pm$ 5%, 0.25 W   |  |  |
| Input threshold levels                 | ON=470 $\Omega$ , Short-circuit <50 $\Omega$ , Open-circuit >100 K $\Omega$  |  |  |
| Operating temperature range            | -10°C to + 50°C  |  |  |
| Storage temperature range              | -30°C to + 60°C  |  |  |
| Weight (g) Dimensions (mm)             | Module   | 360<br>(add 235 to module weight when using CHQ-BACKBOX) | L157 x H127 x H35 (Module plus Lid) H79 (CHQ-Module plus Lid plus CHQ,BACKBOX) |
|  | DIN Module   | 145  | L119 x H108 x D24  |
| 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) |  |  |

\*1 Add 200  $\mu$ A per Active Sounder Line.