

## 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, LR & GL



## Description

Model CHQ-DSC/M(SCI) is a Marine Approved 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/M(SCI), increases the IP rating to IP65.

Specification	
Order code	CHQ-DSC/M(SCI) (module with SCI)
Operating voltage	17 - 41 Vd.c.
Low power mode	250µA
Quiescent current (typ)* <sup>1</sup>	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	-25°C to +70°C
Storage temperature range	-30°C to +70°C
Weights & Dimensions	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)
Colour and enclosure material	CHQ Module & CHQ-BACKBOX White ABS, Module Lid Semi-Opaque Black ABS as standard (white version (CHQ-LID(WHT) also available)

\*<sup>1</sup> Add 200µA per Active Sounder Line.