

# CHQ-DSC2/M(SCI)

## Marine Approved Analogue Dual Sounder Controller

### 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 to MED by GL
- ▶ GL Type approval
- ▶ Approved by DNV GL



### Description

Model CHQ-DSC2/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 CHQDSC2/M(SCI), increases the IP rating to IP65.



### Specification

Ordering codes	CHQ-DSC2/M(SCI) (module with SCI)
Operating voltage	17 - 41 V dc
Quiescent current	350 $\mu$ A
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 V dc (24 V dc nominal)
Current consumption (per Bell circuit)	Sounder On - 8 mA, Sounder Fault - 6 mA
Sounder output current	1 A/line (max) fused @ 1.25 A
Sounder line capacitance	0.3 $\mu$ F/line max/line
Sounder E.O.L resistor	1 k $\Omega$ , +5%, 2 W
Input E.O.L resistor	10 k $\Omega$ , +5%, 0.25 W
Input threshold level	ON=470 $\Omega$ , Short cct <50 $\Omega$ , Open cct >100 K $\Omega$
Operating temperature range	-25 $^{\circ}$ C to + 70 $^{\circ}$ C
Storage Temperature Range	-30 $^{\circ}$ C to + 70 $^{\circ}$ C
Weights (g)	360g - (add 235g to module weight when using CHQ-BACKBOX)
Dimensions (mm)	L=157 x W=127 x D=35 (module inc lid) D=79 (module inc lid & CHQ-BACKBOX)
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)
Approvals	DNV GL Type Approval and MED Certification

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