

Marine Approved Analogue Dual Sounder Controller

CHQ-DSC/M(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 to MED by GL
- ▶ GL Type approval
- ▶ Approved by LPCB

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 V dc	
Low power mode	250 μ A	
Quiescent current (typ)* ¹	340 μ A	
Current consumption	22 mA \pm 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 μ F/line max/line	
Sounder E.O.L resistor	1 k Ω , \pm 5%, 2 W	
Input E.O.L resistor	10 k Ω , \pm 5%, 0.25 W	
Input threshold levels	ON=470 Ω , short cct < 50 Ω , open cct > 100 K Ω	
Operating temperature range	-25 $^{\circ}$ C to +70 $^{\circ}$ C	
Storage temperature range	-30 $^{\circ}$ C to +70 $^{\circ}$ C	
Weights (g) & Dimensions (mm)	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)
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)	

*¹ Add 200 μ A per Active Sounder Line.