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, glanded IP65 backbox available
- Can be used with CHQ-BACKBOX to comply with BS 7671
- Approved to AS ISO 7240.17 & 18
- 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 µA		
Current consumption	22 mA ± 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 Sounder FAULT - 6mA		
Sounder output current	1A/line (max) fused @ 1.25 A		
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-circuit ‹50 Ω, Open-circuit ›100 KΩ		
Operating temperature range	-10°C to + 50°C		
Storage temperature range	-30°C to + 60°C		
Weight (g) Dimensions (mm)	Module	360 (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 µA per Active Sounder Line.