

# Analogue Dual Sounder Controller CHQ-DSC2(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 by LPCB

## 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

			CHQ-DSC2(SCI)	(module with SCI)
Ordering codes			CHQ-DSC2(SCI)	(module with SCI)
			CHQ-DSC2/DIN(SCI)	(DIN module with SCI)
Operating voltage			17 - 41 V dc	
Quiescent current (typ)* <sup>1</sup>			350 $\mu$ 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 VDC (24 VDC 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 $\Omega$ , $\pm$ 5%, 2 W	
Input E.O.L. resistor			10 k $\Omega$ , $\pm$ 5%, 0.25 W	
Input threshold levels			ON=470 $\Omega$ , short cct<50 $\Omega$ , open cct>100 k $\Omega$	
Operating temperature range			-10 $^{\circ}$ C to + 50 $^{\circ}$ C	
Storage temperature range			-30 $^{\circ}$ C to + 60 $^{\circ}$ C	
Weights (g) Dimensions (mm)	module	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)	
	DIN	145	L=119 x W=108 x D=24	
Colour and enclosure material	Module		CHQ Module & CHQ-BACKBOX White ABS, Module Lid Semi-Opaque Black ABS as standard (white version (CHQ-LID(WHT) also available)	
	DIN		Green ABS	

\*<sup>1</sup> Add 200  $\mu$ A per Active Sounder Line.

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