

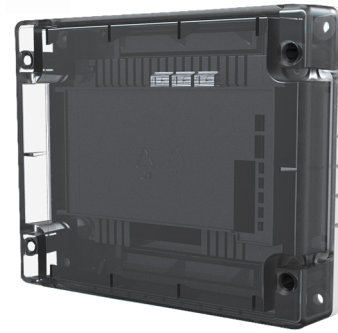


# CHQ-DSC2(SCI)/SIL

Analogue Dual Sound Controller with 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
- ▶ Approved to SIL2



## Description

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

## Specification

Operating Voltage	17 ~ 41 VDC		
Quiescent current (typ)*1	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	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 CHQBACKBOX) (add 235 to module weight when using CHQ-BACKBOX)
	DIN Enclosure	145	L=119 x W=108 x D=24
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)		

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



Product

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Part Number

CHQ-DSC2(SCI)/SIL