

Analogue Dual Sounder Controller

CHQ-DSC(SCI)



Features

- ▶ Single loop address
- ▶ Two independent sounder circuits
- ▶ Each circuit fully monitored for open and short circuit faults
- ▶ Each alarm circuit fused at 1 A
- ▶ Auxiliary monitored input
- ▶ Outputs are synchronised and can be driven continuously or intermittently
- ▶ 24 V dc auxiliary power required
- ▶ DIN rail version available
- ▶ Both models feature an integral short-circuit isolator
- ▶ Both models approved by LPCB & VdS

Description

Model CHQ-DSC(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-DSC(SCI), increases the IP rating to IP65.

Specification

Order codes* ¹	CHQ-DSC(SCI) (module with SCI) CHQ-DSC/DIN(SCI) (DIN module with SCI)	
Operating voltage	17 - 41 VDC	
Low power mode	250 μ A	
Quiescent current (typ)* ²	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 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 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	-10 $^{\circ}$ C to +50 $^{\circ}$ C	
Storage Temperature Range	-30 $^{\circ}$ C to +60 $^{\circ}$ C	
Weights (g) & Dimensions (mm)	CHQ-DSC(SCI)	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)
	CHQ-DSC/DIN(SCI)	145 L=119mm x W=108mm x D=24mm
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 Fire alarm control panel compatibility required for these products.

*² Add 200 μ A per Active Sounder Line.