

# Analogue Dual Sounder Controller

## CHQ-DSC



### 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
- ▶ Available as DIN-Rail version
- ▶ Both versions available with or without integral SCI

### Description

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

### Specification

Order codes *1		CHQ-DSC (module) CHQ-DSC(SCI) (module with SCI) CHQ-DSC/DIN (DIN module) CHQ-DSC/DIN(SCI) (DIN module with SCI)	
Operating voltage		17 - 41 Vd.c.	
Low power mode		200µA*2	
Quiescent current (typ)*3		290µA*2	
Current consumption		22mA ± 20 % (polling)	
Current in short-circuit		8mA (CHQ-DSC/DIN(SCI))	
Maximum short-circuit current (Loop)		1A (CHQ-DSC/DIN(SCI))	
External supply voltage		20-28.8 Vd.c. (24Vd.d. nominal)	
Current consumption (per Bell circuit)		Sounder On - 8 mA, Sounder Fault - 6 mA	
Sounder output current		1A/line (max) fused @ 1.25A	
Sounder line capacitance		0.3µF/line max/line	
Sounder E.O.L resistor		1kΩ, ±5%, 2W	
Input E.O.L resistor		10kΩ, ±5%, 0.25W	
Input threshold levels		ON=470Ω, short cct< 50Ω, open cct>100KΩ,	
Weights & Dimensions	CHQ-DSC	354g	L=157mm x W=127mm x D=35mm (Module plus Lid) D=79mm (CHQ Module plus Lid plus CHQ-BACKBOX) (add 235g to module weight when using CHQ-BACKBOX)
	CHQ-DSC(SCI)	360g	
	CHQ-DSC/DIN	140g	L=119mm x W=108mm x D=24mm
	CHQ-DSC/DIN(SCI)	145g	
Colour and enclosure material		CHQ Module & CHQ-BACKBOX White ABS, DIN Module Green ABS, Module Lid Semi-Opaque Black ABS as standard, white version available (CHQ-LID(WHT))	

\*1 Fire alarm control panel compatibility required for these products. \*2 SCI versions will take additional current (50µA).

\*3 Add 200µA per Active Sounder Line.