

# Analogue Dual Sounder Controller

## CHQ-DSC(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
- ▶ Available as DIN-Rail version
- ▶ Both models feature an integral SCI

### 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* <sup>1</sup>		CHQ-DSC(SCI) (module with SCI) CHQ-DSC/DIN(SCI) (DIN module with SCI)
Operating voltage		17 - 41 Vd.c.
Low power mode		250µA
Quiescent current (typ)* <sup>2</sup>		340µA
Current consumption		22mA ± 20 % (polling)
Current in short-circuit		8mA
Maximum short-circuit current (Loop)		1A
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,
Operating Temperature Range		-10°C to +50°C
Storage Temperature Range		-30°C to +60°C
Weights & Dimensions	CHQ-DSC(SCI)	360g 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/DIN(SCI)	145g 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)

\*<sup>1</sup> Fire alarm control panel compatibility required for these products.

\*<sup>2</sup> Add 200µA per Active Sounder Line.