Analogue Dual Sounder Controller
ST-SC2B-SC

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 ST-SC2B-SC 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 (ST-MBB) which, when used in conjunction with the ST-SC2B-SC, increases the IP rating to IP65.

Specification

Ordering codes		ST-SC2B-SC	(module with SCI)
		ST-SC2D-SC	(DIN module with SCI)
Operating voltage		17 - 41 V dc	
Quiescent current (typ)*[1]		350 μA	
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 µF/line (max/line)	
Sounder E.O.L. resistor		1 kΩ, ±5%, 2 W	
Input E.O.L. resistor		10 kΩ, ±5%, 0.25 W	
Input threshold levels		ON=470 Ω, short cct<50 Ω, open cct>100 KΩ	
Operating temperature range		-10 °C to + 50 °C	
Storage temperature range		-30 °C to + 60 °C	
Weights (g) Dimensions (mm)	module	360	L=157 x W=127 x D=35 (Module plus Lid) D=79 (Module plus Lid plus ST-MBB) (add 235 to module weight when using ST-MBB)
	DIN	145	L=119 x W=108 x D=24
Colour and enclosure material	Module		Module & Backbox White ABS, Module Lid Semi-Opaque Black ABS as standard
	DIN		Green ABS

*[1] Add 200 μA per Active Sounder Line.