

Analogue Dual Zone Monitor

ST-ZM2B-SC



Features

- ▶ Single loop address
- ▶ Supports two independent zones of conventional detectors
- ▶ Both zones fully monitored for short/open circuit
- ▶ Requires an auxiliary 24V dc supply
- ▶ DIN rail version available
- ▶ Both models feature an integral short circuit isolator
- ▶ Approved by LPCB

Description

Model ST-ZM2B-SC is a Dual Circuit Zone Controller designed to allow up to 60 conventional detectors (30 on each zone) to be interfaced to the ESP analogue addressable system. The unit also features a Schottky Diode line continuity option, when used in conjunction with the optional LCMU.

Full monitoring against malfunction or disconnection, together with a self-test feature through the ESP protocol, ensuring the integrity of the ST-ZM2B-SC at all times. The ST-ZM2B-SC utilises simple DIL switches for reliable addressing. It is available as an OEM version (as illustrated above) and also as a DIN Rail mountable module (ST-ZM2D-SC). Both models feature an integral short-circuit isolator.

When Resistive EOL option is chosen the conventional zone on the ST-ZM2B-SC does not support any line continuity options, therefore if Call Points are being interfaced they should be wired at the beginning of the zone.

Specification

Ordering Code	ST-ZM2B-SC (as shown) ST-ZM2D-SC (DIN module)		
Operating Voltage	17 – 41 V dc		
Low Power Mode (typ)	110 μ A		
Quiescent Current (typ)	330 μ A		
Current Consumption (External)	(Quiescent) 2 mA, (Alarm) 70 mA (Both zones in fire)		
Capacitance on Zone	0.3 μ F Max		
Resistance on Zone	50 Ω Max		
Current in short circuit	8 mA		
Max short-circuit current (Loop)	1 A		
Operating temperature range	-10 $^{\circ}$ C to +50 $^{\circ}$ C		
Storage temperature range	-30 $^{\circ}$ C to +60 $^{\circ}$ C		
E.O.L Device options	TE-RH-E (supplied), 6K8 resistor or LCMU (6K8) (not supplied)		
Output Rating	24 V dc 8.5 mA		
Quantity per zone	Please contact Silver-Tec for further information		
Weights (g) & Dimensions (mm)	ST-ZM2B-SC	350	L=157 x W=127 x D=35 (ST Module plus Lid) D=79 (ST Module plus lid plus ST-MBBC) add 235 to module weight when using ST-MBB L108 x W119 x D24 (ST DIN Module)
	ST-ZM2D-SC	130	