Analogue Plant Control Module
ST-PC4B-SC

Features

- Single loop address
- Loop powered
- 4 change-over relay outputs
- 4 independent inputs for monitoring of volt-free contacts
- Each input can be configured to monitor either Normally Open or Normally Closed contacts
- DIN rail version available
- Both models feature an integral short-circuit isolator
- Approved by LPCB

Description

The ST-PC4B-SC is a loop powered input/output module with four independent change-over relay outputs and four monitored inputs. The outputs feature N/O and N/C volt free contacts and can be driven separately under the control of the fire alarm panel, to be used for the control of devices such as dampers or for plant and equipment shutdown. The four inputs are provided for local fire and fault monitoring and these are fully monitored for open and short circuit, which if required, can be enabled or disabled in pairs using a two-way DIL switch. **Note:- The state of the relay contacts will be indeterminate until the unit is powered.**

The unit is also available in a DIN Rail mountable enclosure – ST-PC4B-SC. A back box is also available (ST-MBB) which, when used in conjunction with the ST-PC4D-SC increases the IP rating to IP65. When using heavy cables we recommend the use of the SMB-1 Module Enclosure inconjunction with the SMB-ADAPTOR plate.

Specification

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Order codes		ST-PC4B-SC (module) ST-PC4D-SC (DIN module)	
Transmission method		Digital communication using ESP	
Loop	Operating voltage	17 - 41 VDC	
	Quiescent current	300 μA	
	Current consumption whilst polling	22 mA $\pm$ 20 %	
Relay contact rating		30 VDC max, 1 A (resistive load)	
Input E.O.L resistor		10 kΩ, $\pm$5%, 0.25 W	
Input threshold level		ON=470 Ω, Short cct <50 Ω, Open cct >100 KΩ	
Maximum rated current		1 A (switch closed)	
Leakage current		3 mA (switch open)	
Weight (g) Dimensions (mm)	ST-B Module	332	L157 x W127 x H35 (CHQ Module with lid)
		567	H79 (CHQ Module with lid and CHQ-BACKBOX)
	DIN Module	150	L119 x W108 x H24 (CHQ DIN Module)
Colour and enclosure material		ST-B Module & ST-MMB white ABS, DIN Module green ABS	

Fire alarm control panel compatibility is required for both variants of this product.

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