



Analogue Plant Control Module CHQ-PCM(SCI)

The CHQ-PCM(SCI) is a loop powered input/output module with four independent changeover 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 – CHQ-PCM/DIN(SCI). A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-PCM(SCI), increases the IP rating to IP65. When using heavy cables we recommend the use of the SMB-1 Module Enclosure in conjunction with the SMB-ADAPTOR plate.

FEATURES

- Single loop address
- Loop powered
- 4 change-over relay outputs
- 4 independent inputs for monitoring of voltfree 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
- SIL Level 2 approved variant available

SPECIFICATION

Transmission method	Digital using ESP
Loop	
Operating voltage	17- 41 VDC
Quiescent current	300 μ A
Current consumption whilst polling	22 mA \pm 20 %
Relay contact rating	30 VDC max, 1 A (resistive load)
Input E.O.L resistor	10 k Ω , \pm 5%, 0.25 W
Input threshold level	ON=470 Ω , Short cct <50 Ω , Open cct >100 k Ω
Max rated current	1 A (switch closed)
Leakage current	3 mA (switch open)
Colour and enclosure mat.	CHQ Module & CHQ-BACKBOX: white ABS DIN Module: green ABS

Part Numbers

CHQ-PCM(SCI)	Module
CHQ-PCM/DIN(SCI)	DIN Module