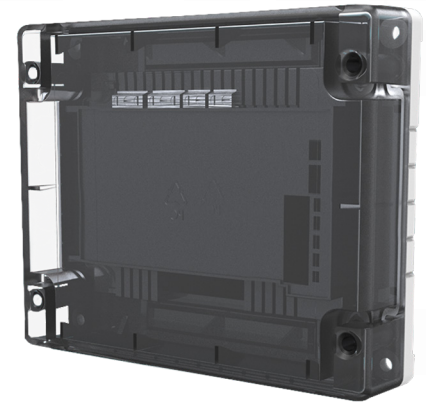




CHQ-PCM(SCI)/SIL

Analogue Plant Control Module



Features

- ▶ SIL Level 2 approved
- ▶ Ideal for use in oil and gas environments
- ▶ 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
- ▶ Both models feature an integral short-circuit isolator
- ▶ Approved by LPCB

Description

The CHQ-PCM(SCI)/SIL 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.**

Specification

Transmission method	Digital communication 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	
Maximum rated current	1 A (switch closed)	
Leakage current	3 mA (switch open)	
Weight (g) Dimensions (mm)	332	L157 x W127 x H35 (CHQ Module with lid)
	567	H79 (CHQ Module with lid and CHQ-BACKBOX)
Colour and enclosure material	CHQ Module & CHQ-BACKBOX white ABS	

Ordering Codes

Product

Analogue Plant Control Module

Part Number

CHQ-PCM(SCI)/SIL