Analogue Addressable Plant Control Module
CHQ-PCM(HFP)-SCI

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

▸ Features an integral short-circuit isolator

▸ Approved by LPCB

Description

The CHQ-PCM(HFP)-SCI 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.**

A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-PCM(HFP)-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.

Specification

Order codes		CHQ-PCM(HFP)-SCI
Transmission method		Digital communication using ESP
Loop	Operating voltage	17 - 41 V dc
	Quiescent current	300 μA
	Current consumption whilst polling	22 mA ± 20 %
Relay contact rating		30 V dc max, 1 A (resistive load)
Input E.O.L resistor		10 kΩ, ±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)		332 (add 235 to module weight when using CHQ-BACKBOX)
Dimensions (mm)		L157 x W127 x H35 (CHQ Module with lid) H79 (CHQ Module with lid and CHQ-BACKBOX)
Colour and enclosure material		CHQ Module & CHQ-BACKBOX white ABS,

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