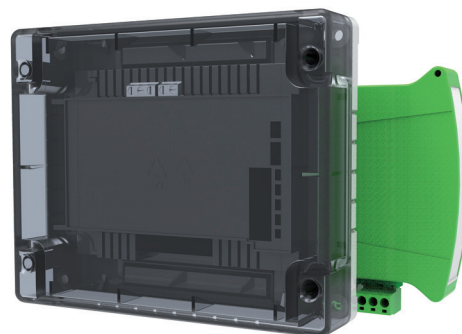


ESP Intelligent CHQ-DIM2(SCI)

Analogue Dual Input Module

Features

- ▶ Loop Powered with Single Loop Address
- ▶ Provides 2 Independent Inputs for Monitoring of Volt Free Contacts
- ▶ Each Input can be Configured to Monitor either Normally Open or Normally Closed contacts
- ▶ Also available as DIN
- ▶ Both models feature an integral SCI
- ▶ Deeper, glanded IP65 backbox available
- ▶ Can be used with CHQ-BACKBOX to comply with BS 7671
- ▶ Approved by LPCB
- ▶ Marine and SIL2 approved variants available.



Description

Model CHQ-DIM2(SCI) is a Dual Input Module designed to interface to a variety of inputs such as door contacts, sprinkler flow/door switches and plant equipment. Also available as a DIN Rail mountable version; both models

feature an integral short-circuit isolator.

A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-DIM2(SCI), increases the IP rating to IP65.

Specification

Ordering code	CHQ-DIM2(SCI) - Module / CHQ-DIM2(SCI)/SIL - Module SCI and SIL / CHQ-DZM/DIN(SCI) - DIN Module		
Operating voltage	17 – 41 VDC		
Quiescent current (typ)	280 μ A		
Current consumption	22 mA \pm 20 % (polling), 4.3 mA (both inputs active)*1		
Current in short circuit	8 mA		
Max short-circuit current (loop)	1 A		
Input line resistance	ON threshold <50 Ω , OFF threshold >100 K Ω		
Operating temperature range	-10 °C to +50 °C		
Storage temperature range	-30 °C to +60 °C		
Max humidity	95%RH - Non Condensing (at 40 °C)		
Weights (g) / Dimensions (mm)	CHQ-DIM2 (SCI)	327 (+235 with lid and backbox)	(with lid) L 157 x W 127 x D 35 (with lid and backbox) D 79
	CHQ-DIM2/DIN (SCI)	113	L 108 x W 119 x D 24

Fire alarm control panel compatibility required for these products.

*1 Note: - Add 85 μ A per input for normally closed contact monitoring