

# ESPintelligent

## CHQ-DIM2/DIN(SCI)

### ANALOGUE DUAL INPUT MODULE

#### Features

- ▶ Single Loop Address
- ▶ Loop Powered
- ▶ 2 Independent Inputs for Monitoring of Volt Free Contacts
- ▶ Each Input can be Configured to Monitor either Normally Open or Normally Closed contacts
- ▶ Boxed module version available
- ▶ Both models feature an integral SCI
- ▶ Both models approved by LPCB.



#### Description

Model CHQ-DIM2/DIN(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 boxed module; both models feature an integral short-circuit isolator.



### Specification

Ordering codes	CHQ-DIM2(SCI)	(module with SCI)
	CHQ-DIM2/DIN(SCI)	
Operating voltage	17 - 41 V dc	
Quiescent current	280 $\mu$ A	
Current consumption	22 mA + 20 % (polling), 4.3 mA (both inputs active)*1	
Current in short-circuit	8 mA	
Maximum short-circuit current (Loop)	1 A	
Input line resistance	ON threshold <50 $\Omega$ , OFF threshold >100 K $\Omega$	
Weights (g)	CHQ-DIM2(SCI)	327
Dimensions (mm)	CHQ-DIM2/DIN(SCI)	113
		L=157 x W=127 x D=35 (module inc lid) D=79 (module inc lid & CHQ-BACKBOX) (add 235 to module weight when using CHQ-BACKBOX)
		L=119 x W=108 x D=24
Colour and enclosure material	CHQ Module & CHQ-BACKBOX White ABS, DIN Module Green ABS, Module Lid Semi-Opaque Black ABS as standard (white version – CHQ-LID(WHT) also available)	

Fire alarm control panel compatibility required for these products.

\*1 Note: - Add 85  $\mu$ A per input for normally closed contact monitoring