

# Analogue Dual Input Module

## CHQ-DIM



### 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
- ▶ "Smart-Fix" Housing System for flexibility
- ▶ Available as DIN-Rail version
- ▶ Both versions available with or without integral SCI

### Description

Model CHQ-DIM 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, with or without an integral short-circuit isolator.

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

Specification			
Order codes <sup>*1</sup>		CHQ-DIM (module) CHQ-DIM(SCI) (module with SCI) CHQ-DIM/DIN (DIN module) CHQ-DIM/DIN(SCI) (DIN module with SCI)	
Operating voltage		17 - 41 Vd.c.	
Low Power Mode (0.75s)		120µA <sup>*2</sup>	
Quiescent current		280µA <sup>*2</sup>	
Current consumption		22mA ± 20 % (polling), 4.3mA (inputs active)	
Current in short-circuit		8mA (SCI models only)	
Maximum short-circuit current		1A (SCI models only)	
Input line resistance		ON threshold <50Ω, OFF threshold >100KΩ	
Operating Temperature Range		-10°C to + 50°C	
Storage Temperature Range		-30°C to + 60°C	
Maximum Humidity		95%RH - Non Condensing (at 40°C)	
Weight & Dimensions	CHQ-DIM	324g	L=157mm x W=127mm x D=35mm (module inc lid) D=79mm (module inc lid plus CHQ-BACKBOX) (add 235g to module weight when using CHQ-BACKBOX)
	CHQ-DIM(SCI)	327g	
	CHQ-DIM/DIN	110g	L=119mm x W=108mm x D=24mm
	CHQ-DIM/DIN(SCI)	113g	
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))	

<sup>\*1</sup> Fire alarm control panel compatibility required for these products. <sup>\*2</sup> SCI version will take additional current (50µA).