ESP Intelligent

Your Safety, Our Technology

CHQ-DIM2(SCI)

Intelligent (Addressable) 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
- DIN-Rail version available
- Both models feature an integral SCI
- Both models approved by LPCB
- SIL level 2 approved variant 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. The unit supports a resistive feature for the monitoring of the inputs when operating in Enhanced mode*[1]. Please check for panel support of this feature, failure to do so will regress this device into Compatibility mode where the inputs are not monitored. 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.

NOTE: This module MUST be installed next to any Type 1 detection device (no transmission path should be present).*[3]

Specification

Ordering code	CHQ-DIM2(SCI) - Module / CHQ-DIM2/DIN(SCI) - DIN Module		
Operating voltage	17 – 41 VDC		
Quiescent current (typ)	280 µA		
Current consumption	22 mA ± 20 % (polling), 4.3 mA (both inputs active)*[2]		
Current in short circuit	8 mA		
Max short-circuit current (loop)	1 A		
Input line resistance	ON threshold ‹50 Ω, OFF threshold ›100 KΩ		
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

*[1] Fire alarm control panel compatibility required for these products.
*[2] Note: - Add 85 µA per input for normally closed contact monitoring.
*[3] Applies to systems approved to EN54-13.

For further information visit our website.

Hochiki reserves the right to alter the specification of its products from time to time without notice. Although every effort has been made to ensure the accuracy of the information contained in this document it is not warranted or represented by Hochiki to be a complete and up-to-date description. Check online for current version.

HOCHIKI ISS4 SEP25