eurotech®
FIRE SYSTEMS LIMITED

Version 1.1/24



Hochiki Analogue Dual Input Module (CHQ-DIM2(SCI))

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.

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.

TECHNICAL SPECIFICATION

Ordering codes	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 (typical)	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 (loop)		
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)		
Weight (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*			

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