

HOCHIKI CHQ-Z & OEM DUAL ZONE MONITOR

INSTALLATION INSTRUCTIONS



Function

The CHQ-Z is an input monitoring device, which connects to the Hochiki ESP analogue system. It is capable of monitoring two zones of up to thirty Hochiki conventional smoke or heat detectors, three Hochiki beam detectors and any number of conventional call points. The unit also provides an auxiliary open collector transistor output, which can be used for local control via a suitable circuit if supported by the Control Panel. The module has been designed for easy installation and contains two connector blocks for termination of the field wiring.

Specification

Order code	CHQ-Z* and CHQ-Z/OEM*	
Transmission method	Digital communication using ESP	
Loop:-Operating voltage	17 - 31 VDC	
Quiescent current	300µA	
Current consumption whilst polling	22 mA ± 20 %	
External Supply:-Operating voltage	20-28.8 VDC (24VDC nominal)	
Quiescent current	800µA	
Current consumption in fire	70 mA (Both zones in fire)	
Auxiliary Open Collector output rating	24 VDC 30mA	
E.O.L device	TE-RH-E (polarity conscious)	
Zone voltage	15.3V - 17.8V	
Zone resistance	50Ω (Max)	
Zone capacitance	0.3µF (Max)	
Detectors per zone	Number of conventional detectors per zone DCA, DFB, DFE – No limit SLG, SLK, SLR, SIF, SIH, SIJ, DCC, DCD, DFJ – 30 max SPB-ET or SRA-ET– 3 max HF-24 – 6 max (1 x HF24 = 5 x SLR-E) Conventional Call Points – No limit	
Weights & Dimensions	CHQ-Z	550g, L=235 x W=160 x H=92mm
	CHQ-Z/OEM	120g, L=185 x W=97 x H=30mm
Colour and enclosure material	CHQ-Z	Grey, ABS (IP67 rated), c/w OEM module
	CHQ-Z/OEM	White, ABS

* Fire alarm control panel compatibility required for these products.

Note:- The End of Line devices (TE-RH-E) are supplied with the unit.

Connection Details

The CHQ-Z should be connected to the loop as shown below, the module does not support any line continuity options, therefore, if manual Call Points are to be interfaced to the CHQ-Z then these should be connected first.

