**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

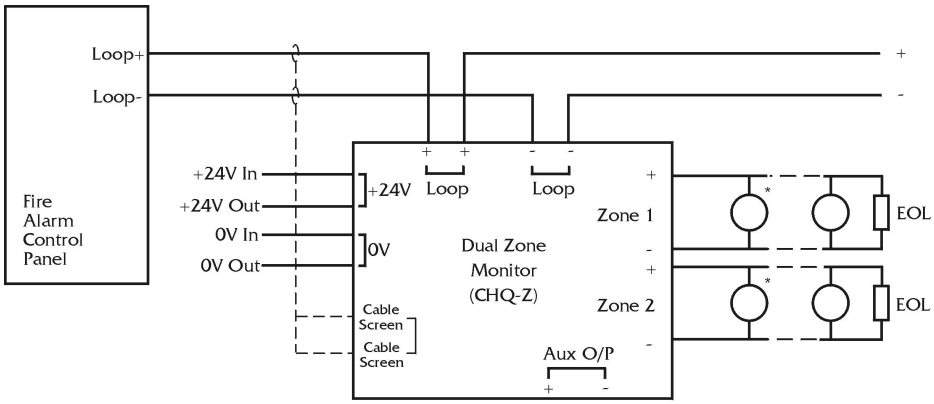
| | | |
|---|---|---|
| Order code | | CHQ-Z* and CHQ-Z/OEM* |
| Transmission method | | Digital communication using ESP |
| Loop:-Operating voltage | | 17 - 31 VDC |
| Quiescent current | | 300µA |
| Current consumption whilst polling | | 22 mA ± 20 % |
| External Supply:-Operating voltage | | 20-28.8 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<br>DCA, DFB, DFE – No limit<br>SLG, SLK, SLR, SIF, SIH, SIJ, DCC, DCD, DFJ – 30 max<br>SPB-ET or SRA-ET– 3 max<br>HF-24 – 6 max (1 x HF24 = 5 x SLR-E)<br>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.




EOL Part No. = TE-RH-E (supplied with unit)

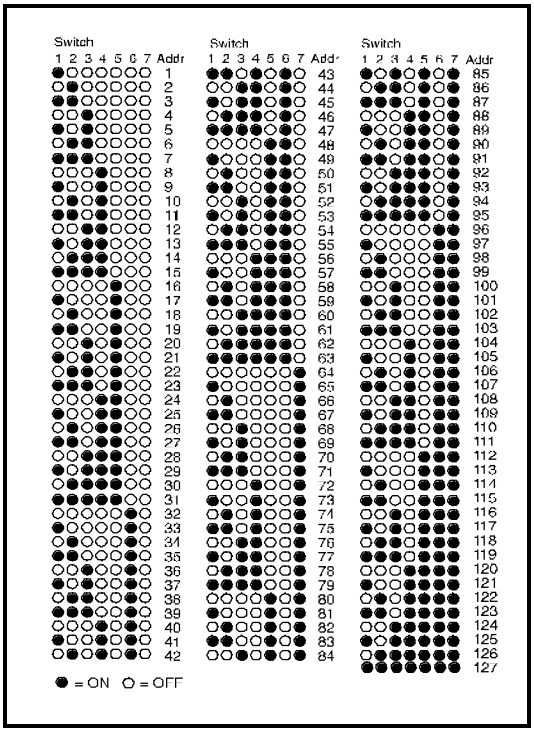
* Upto 30 Conventional Detectors

## Setting the Loop Address

- The address is set using the first 7 switches of the 8 bit DIL switch. The switch should be in the up position for ON and down for OFF.
- Set the switches as defined below for the required address.

## Installation

- Drill the cable entry holes in the enclosure as required before fitting the CHQ-Z module. Ensure glands conform to IP67, if such ingress protection is required.
- Mount enclosure as required, using the holes in the 4 corners which are located through the cover fixing point.
- Mount the CHQ-Z module inside the enclosure with the screws supplied.
- Terminate and connect field wiring as per wiring diagram.
- Ensure the zones are terminated using the TE-RH-E E.O.L devices (supplied), these must be connected to the last device on the zone.
- Set the ESP loop address using the 8-bit DIL switch - see opposite.
- Fix the label to the enclosure and note the unit's address.
- To comply with EMC regulations, the CHQ-Z/OEM must be fitted in a protective enclosure.
- Suitable anti-static precautions must be taken when handling this product.




## Status LED

- A red LED flashes each time the unit is polled by the fire alarm control panel.

HOCHIKI
World Class Leaders in Fire Detection
since 1918

**Hochiki Europe (UK) Ltd**
**Grosvenor Road, Gillingham Business Park,**
**Gillingham, Kent, ME8 0SA, England**
**Telephone: +44(0)1634 260133 Facsimile: +44(0)1634 260132**
**Email: sales@hochikieurope.com**
**Web: www.hochikieurope.com**