

CHQ “Smart-Fix” Modules



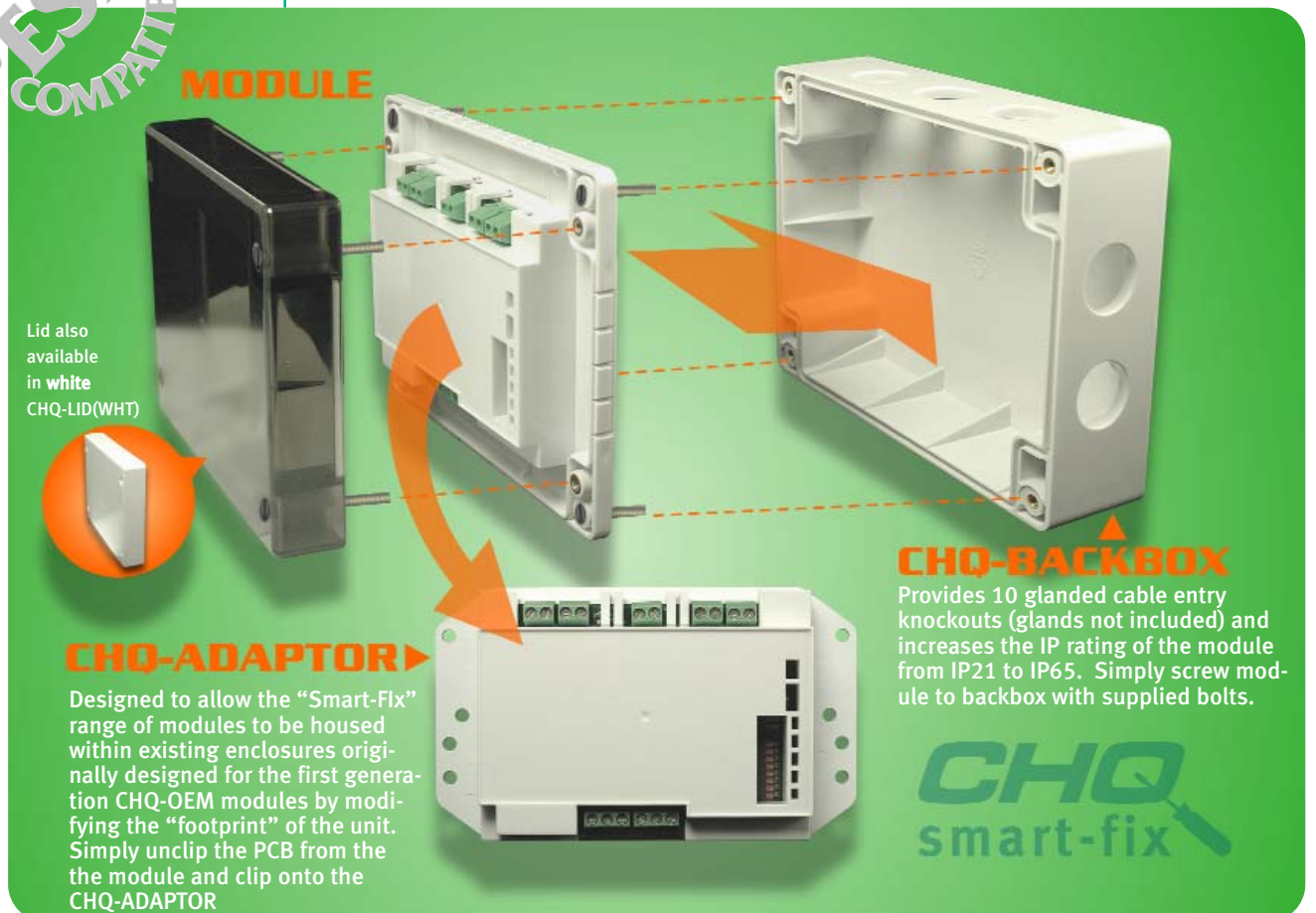
Hochiki’s CHQ “Smart-Fix” input/output interface modules are compactly designed for the monitoring and control of external equipment from the loop utilising Hochiki’s unique ultra intelligent noise-immune communications - ESP (‘Enhanced System Protocol’). The “Smart-Fix” housing system offers the installer complete flexibility with a choice of fixing configurations.



DIN Rail Version

The CHQ Range includes Switch Monitors, Conventional Zone Monitors, Relay Outputs (24V and 240V) and Sounder Outputs and a combination of both inputs and outputs are available on the same device. Each Input/Output unit requires only one loop address and any combination of units can be installed within the maximum address range.

Ruggedly packaged, the CHQ “Smart-Fix” range offers greater flexibility during installation with various configurations available including a choice of white or semi-opaque lids, weather-proof back box and adaptor for retro-fit projects. All CHQ modules also come as a DIN Rail mountable version and all variants can be supplied with or without an integral short-circuit isolator.

MODULE

Lid also available in white
CHQ-LID(WHT)

CHQ-ADAPTOR

Designed to allow the “Smart-Fix” range of modules to be housed within existing enclosures originally designed for the first generation CHQ-OEM modules by modifying the “footprint” of the unit. Simply unclip the PCB from the module and clip onto the CHQ-ADAPTOR

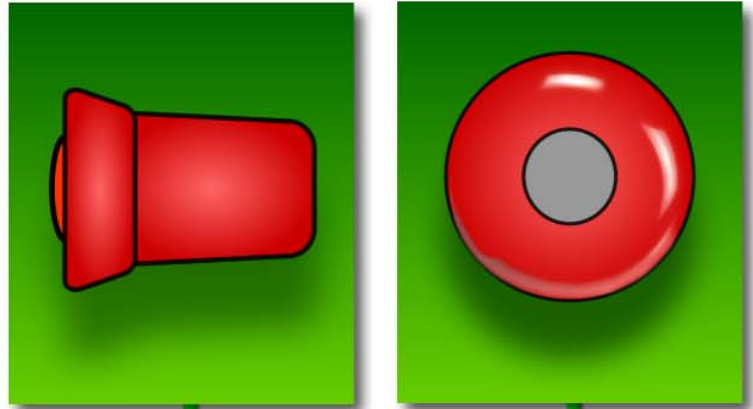
CHQ-BACKBOX

Provides 10 glanded cable entry knockouts (glands not included) and increases the IP rating of the module from IP21 to IP65. Simply screw module to backbox with supplied bolts.

CHQ smart-fix

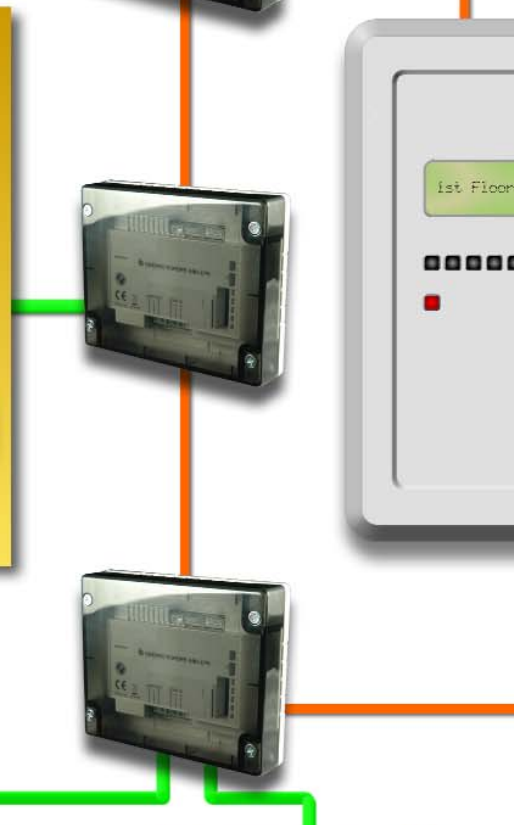
CHQ-DSC Dual Sounder Controller

The CHQ-DSC has been designed to provide two sounder outputs with full fault monitoring. The monitored input can be used for local power supply fault monitoring or as a general purpose input. The input and both sounder outputs only need the allocation of one ESP loop address.



CHQ-SZM Single Zone Module

The CHQ-SZM has been designed to interface to a small conventional zone, allowing up to 6 conventional smoke and heat detectors or one beam smoke detector to be interfaced with the ASX Range of analogue products on ESP systems. The unit also provides a remote alarm output for local indication.



CHQ-DRC Dual Relay Controller

The CHQ-DRC has been designed to provide two general purpose relay outputs. Each output can be separately driven for control of devices such as dampeners or for the control of plant and equipment shutdown. The general purpose monitored input can be used for local fire and fault monitoring. The input and both relay outputs only require the allocation of one ESP loop address.



Machine Shutdown
(30V DC 1A)



Valve Shutdown
(30V DC 1A)

Emergency Exit Monitoring

Sprinkler Flow Switch



CHQ-DIM Dual Input Module

The CHQ-DIM has been designed to interface to a variety of inputs such as door contacts, sprinkler flow/door switches and plant equipment faults. The unit is particularly suited to applications where fast response is required to the input change as with remote fire inputs.



CHQ-MRC Mains Relay Controller

The CHQ-MRC has been designed primarily to provide switching of mains. This capability allows plant to be shut down directly from the loop, without the need for additional power supplies. The general purpose monitored input can be used for local fire and fault monitoring.

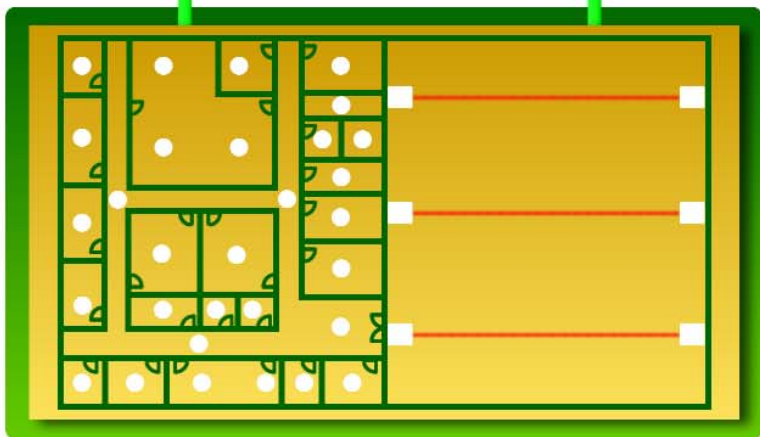


Escalator Shutdown
(240V AC 5A)



ZONE 1

ZONE 2



30 x Conventional Detectors

3 x Conventional Beam Detectors

CHQ-Z Dual Zone Module

The CHQ-Z has been designed to interface to two independent zones of conventional detectors, allowing conventional smoke and heat detectors or beam smoke detectors to be interfaced with ESP Range products on ESP systems. The unit provides an auxiliary output for local alarm indication.

INPUT/
OUTPUT

LOOP
CABLES

AUXILIARY
POWER
(24Vd.c.)

INPUT/OUTPUT

LOOP CABLES

**AUXILIARY
POWER
(24VDC)**

CHQ-Z(IS) Intrinsically Safe Compatible Dual Zone Module

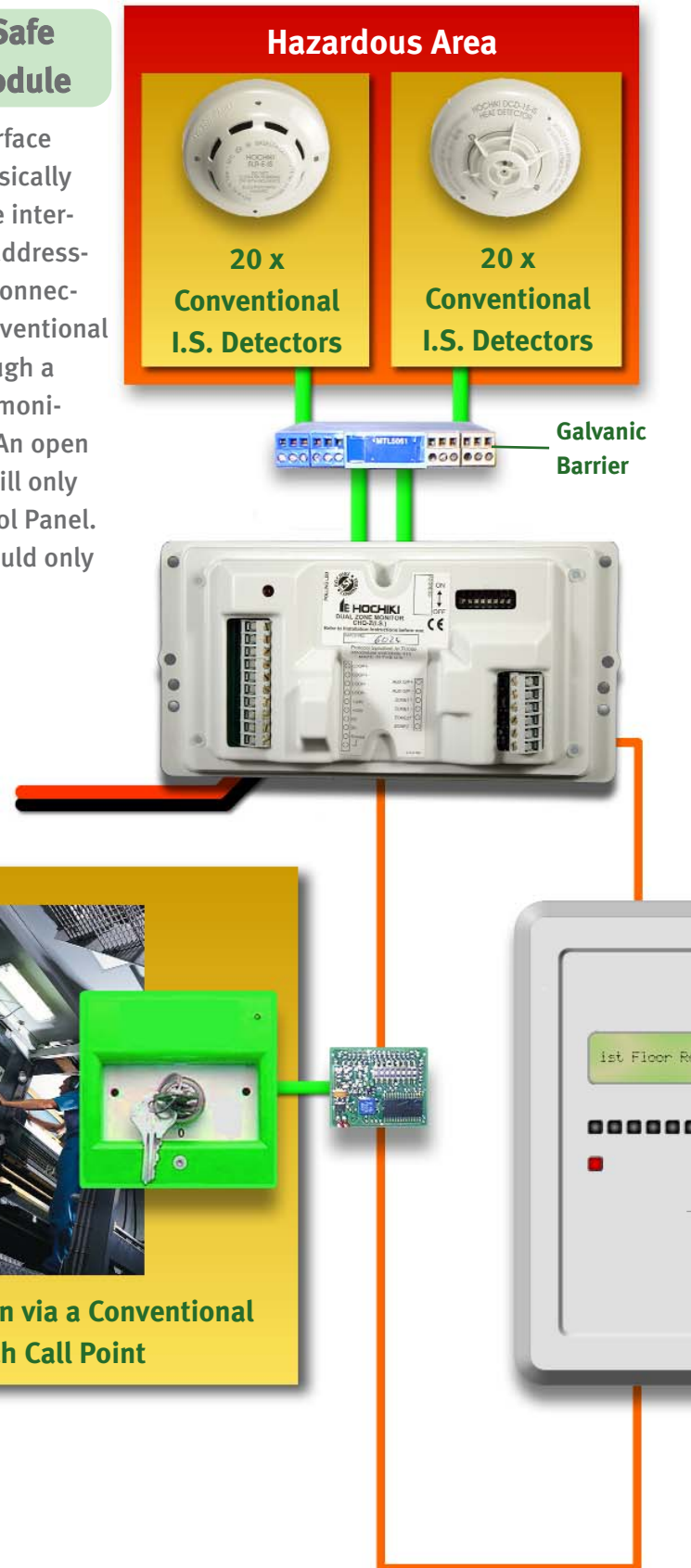
The CHQ-Z(IS) is a Dual Zone interface designed to allow Hochiki's intrinsically safe conventional detectors, to be interfaced to Hochiki's ESP analogue addressable system. The unit will allow connection of up to forty Hochiki I.S. conventional detectors (20 per zone max) through a Galvanic isolator, which are fully monitored for open and short circuit. An open collector output is provided but will only operate if supported by the Control Panel. (Please note that this module should only be installed in the safe area.)

Hazardous Area

20 x
Conventional
I.S. Detectors

20 x
Conventional
I.S. Detectors

Galvanic
Barrier



CHQ-CP Single Input Monitor

The CHQ-CP is a loop powered single input monitor unit designed to be used as a call point module for special applications such as addressable key-switches and explosion proof call points. The unit consists of a PCB (Printed Circuit Board), which requires mounting in an appropriate box, for "field usage" in order to comply with the European "CE" directive.



**Machine Shutdown via a Conventional
Key Switch Call Point**

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Quality System
Certificate No. 164
Assessed to ISO9001



Environmental Management System
Certificate No. EMS 286
Assessed to ISO 14001 : 1996

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