TECHNOLOGY GUIDE

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.

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.
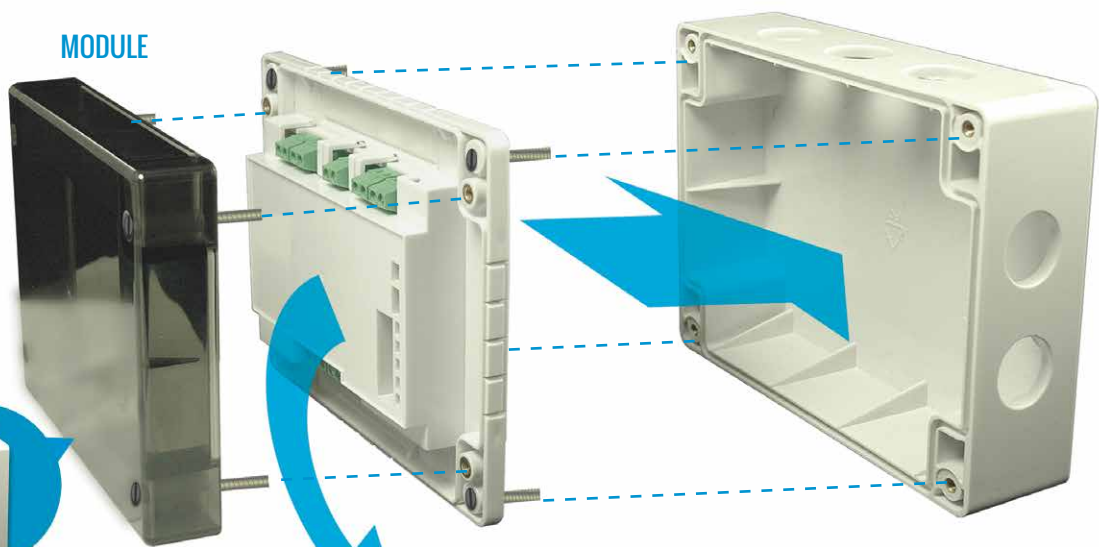
DIN Rail Version

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 the module and clip onto the CHQ-ADAPTOR.
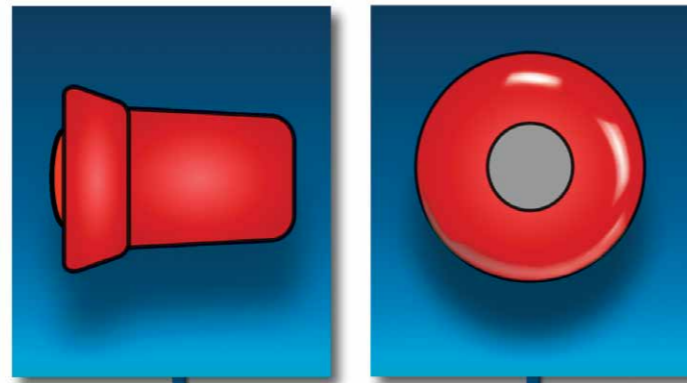
CHQ-BACKBOX

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-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 mon i tor ing or as a general purpose input. The input and both sounder outputs only need the allocation of one ESP loop address.

EXIT

CHQ-DIM2 DUAL INPUT MODULE

The **CHQ-DIM2** has been designed to interface to a variety of inputs such as door contacts, sprinkler flow/door switch es 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-SZM2 SINGLE ZONE MODULE

6 x Conventional Detectors

The **CHQ-SZM2** 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.

1 x Conventional Beam Detector

FIRE
1st Floor Reception
ZONE 1

CHQ-MRC2 MAINS RELAY CONTROLLER

The **CHQ-MRC2** 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)

CHQ-DRC2 DUAL RELAY CONTROLLER

The **CHQ-DRC2** 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.
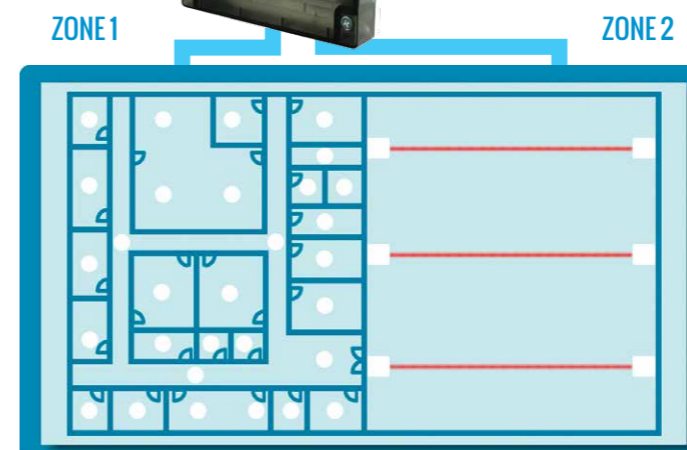
Machine Shutdown
(30V DC 1A)

Valve Shutdown
(30V DC 1A)

ZONE 1   ZONE 2

CHQ-DZM2 DUAL ZONE MODULE

The **CHQ-DZM2** 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 sys tems. The unit provides an auxiliary output for local alarm indication.

30 x Conventional Detectors

3 x Conventional Beam Detectors

INPUT/OUTPUT

AUXILIARY POWER
24Vd.c

LOOP CABLES