Company Overview

About C-TEC

- **C-TEC's vision is to become the world's leading independent manufacturer of fire alarm and legislation driven products.**
- **• C-TEC's mission is to develop new products, to develop and enhance the quality and safety of all our products and to reduce associated maintenance and installation costs.**

When it comes to cost-effective, expertly designed and reliable electronic equipment - **You're Safe with C-TEC.**

All of our fire alarm, voice alarm, call system and induction loop products are manufactured using state-of-the-art production techniques, helping us to guarantee excellent product quality and equipment that is consistently fit for its intended purpose.

Established in 1981 and currently trading in over 60 countries worldwide, our commitment to quality is underlined by our ISO 9001 accreditation (held since 1994) and our status as corporate members of the Fire Industry Association (FIA).

Company Overview

About C-TEC

Reliability and durability are built into our products at all stages - from conception and design at our £2m dedicated R&D laboratory to construction, testing and despatch at our purpose-built manufacturing headquarters in the North West of England.

Many of our products are third-party certificated by internationally recognized test and approval bodies such as the LPCB (Loss Prevention Certification Board), the BSI (British Standards Institute), Intertek and VDS, confirming to specifiers, installers and consumers alike that they meet the design and performance requirements of key British, European and international standards.

But it's not just our products that set us apart from the competition, it's our service too. The level of support offered by our knowledgeable sales and technical staff is second to none with comprehensive, practical advice readily available via phone, fax or email.

Whatever your enquiry, we'll do our best to help, as quickly and efficiently as possible.

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Products

Addressable Fire Panels

C-TEC manufactures two distinct ranges of Analogue Addressable Fire Alarm Panel - the XFP 1 to 2 loop panel and the ZFP 2 to 8 loop touchscreen controlled panel.

Third-party certified to EN54-2/4 by the LPCB, the **XFP** is available as a single loop 16 zone panel, a one loop 32 zone panel or a two loop 32 zone panel with either Apollo or Hochiki protocols. Up to eight XFPs can be interconnected, making the XFP ideal for any small to medium sized application.

Our new **ZFP** fire panel is the ultimate fire alarm control panel offering touchscreen control and a host of powerful engineering functions. With three master cabinets and multiple indicator & switch modules, expansion PCBs and bezels to choose from, mix and match is the name of the game with the ZFP. This, and the availability of numerous 'off-the-shelf' ZFPs means getting the panel you need for a specific application has never been easier.

**XFP Single Loop
16 Zone Fire Panel**

**XFP Single Loop
32 Zone Fire Panel**

**XFP Two Loop
32 Zone Fire Panel**

**ZFP 2-8 Loop
Touchscreen Controlled
Fire Panel (Standard
cabinet)**

**ZFP 2-8 Loop
Touchscreen Controlled
Fire Panel (Medium
cabinet)**

**ZFP 2-8 Loop
Touchscreen Controlled
Fire Panel (Large cabinet)**

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Products

XFP Addressable Fire Panels

C-TEC's XFP range of networkable analogue addressable fire panels offer high performance at a competitive price.

Third-party certified to the latest versions of EN54 parts 2 & 4 by the Loss Prevention Certification Board, the XFP is available in three different formats – 1 loop 16 zone, 1 loop 32 zone and 2 loop 32 zone.

Up to eight XFP master panels (any variant) can be interconnected, making the range ideal for use in larger applications such as office blocks, shopping complexes and big industrial sites as well as in smaller, stand-alone applications due to its competitive price.

The XFP is also fully compatible with C-TEC's Hush Button fire alarm solution for Houses of Multiple Occupation.

XFP Single Loop 16 Zone Fire Panel

XFP Single Loop 32 Zone Fire Panel

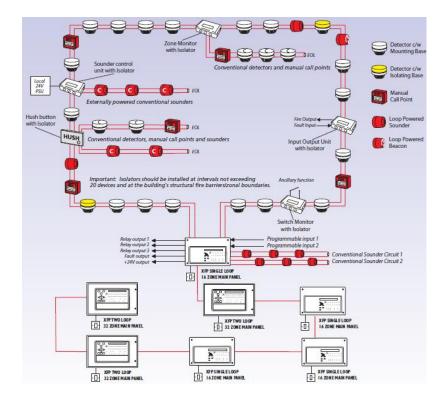**XFP Two Loop 32 Zone Fire Panel**

Products

Key XFP Features

(Available across the range) include:

- Third-party certified to EN54-2/4 by the Loss Prevention Certification Board (LPCB)
- Full compatibility with Hochiki's ESP and Apollo's XP95/Discovery protocols (dependent on model purchased).
- Two independently programmable conventional sounder circuits
- Two programmable inputs
- A fault output relay and three programmable relay outputs with voltage free changeover contacts
- A selection of zone dependency/coincidence functions
- A day/night (building occupied/unoccupied) function
- An investigation delay period function
- Phased evacuation facility
- An alarm counter that records how many times the panel has been in alarm state
- Powerful short circuit protected loop drivers, capable of supporting up to 40 loop powered 10mA sounders per loop
- An integral EN54-4/A2 switch mode
- Adjustable contamination levels
- Earth fault monitoring
- Combined keypad / key switch entry to Access Levels 2 and 3
- 999 event monitoring
- An intuitive Windows based upload-download PC program
- Optional flush-mounting stainless steel enclosures (for use with 32 zone panels only)
- Up to eight XFP main panels (any variant) can be connected onto a two-wire RS485 network. Alternatively, up to eight XFP repeaters can be connected to any non-networked main panel.

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Products

New ZFP Touchscreen Fire Alarm Panels

Intelligent fire alarm technology at your fingertips

Every once in a while a product comes along that lifts existing, respected technology to another level. C-TEC's ZFP is one such product.

Created with the input of some of the world's leading fire alarm and life safety experts, the ZFP is the powerful touchscreen controlled fire alarm panel that everyone's been waiting for.

Designed and built in the UK, the panel can be configured to suit any application. From small 'one out, all out' systems to large multi-loop networked systems with sophisticated cause and effects, the ZFP can handle them all – with ease.

TOUCH & GO

Everything about the ZFP's unique full-colour touchscreen interface has been designed with the user in mind.

Simply tap the option you require and away you go. Whether you're the responsible person on site, the installer, the commissioning engineer or the emergency services, you can access the information you require quickly and easily - all at the touch of a virtual button.

Powerful diagnostics, rapid loop learn, 'Safe Mode' and a unique 'Device Manager' function combine to make the ZFP one of the most user friendly control panels on the market.

Products

MIX & MATCH

Mix and match is the name of the game with the ZFP and, with three master cabinets to choose from, you're spoilt for choice.

Depending on the cabinet you choose, extra indicator and switch modules can be added, along with additional loop driver PCBs, high-integrity network PCBs, 'A-BUS' peripheral PCBs, flush mounting bezels, glazed stainless steel frames and more.

With a wide range of 'off-the-shelf' ZFPs also available, getting the panel you need for a specific application has never been easier.

CLEVERLY COMPACT

With its classy Compact Controllers, the ZFP not only does the job, it looks the part too.

Worried that your plush new reception area is going to be compromised by an ugly metal box in the main entrance? Think again! The ZFP's optional state-of-the-art

Compact Controllers are stylish, smart and can actually enhance the design of a building's reception area and access points. Simply locate the main panel out of sight and let the ZFP's modern high-tech Compact Controllers add a touch of class to your surroundings.

NIFTY NETWORKING

Never before has networking a fire panel been so trouble-free.

Creating a sophisticated fire alarm system for an airport, hospital, university, tower block, hotel, football stadium or other large building is just a few steps up from establishing a simple 'one out, all out' system for a small factory unit.

Up to 64 eight-loop panels can be interconnected over the ZFP's high-integrity fault tolerant network. This versatility, coupled with the ability to assign individual zones across the network and add up to 38 characters of custom text per device means letting the emergency services know the precise location of a fire has never been easier.

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Products

AND THAT'S NOT ALL!

For specialist installation companies and commissioning engineers, the ZFP has no equal.

Features such as a fully filterable 20,000+ event memory, optional paging facilities, powerful 500mA loop drivers with plug-on connectors, spacious cabinets with a 20-way earth bar, the ability to achieve up to 72 hours standby in a standard cabinet and intuitive PC programming tools combine to make the ZFP a very special fire panel indeed.

All this and full compliance with EN54 parts 2 and 4 means that the ZFP is rapidly becoming the fire panel of choice for the fire industry worldwide.

Buildings currently being protected by C-TEC's ZFP touchscreen-controlled addressable fire panel include:-

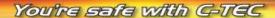| Bridge College Manchester | Killeavy Gaelic Athletic Club, South Armagh | Red Bank Extra Care Scheme, Bury | University Technical College, Wigan |

Products

Analogue Multi-Heat Sensor
ACB-E

Features

▸ User selectable modes

▸ Incorporates Fixed Temperature and Rate Of Rise Heat elements

▸ Twin fire LED's allow 360° viewing

▸ Pulsing/non-pulsing controlled from panel

▸ Electronically Addressed

▸ LPCB approved to Classes A, B & C

Description

Model ACB-E is a Multi-Heat Sensor, which is fully compatible with Hochiki's ESP Analogue Addressable Protocol.

The ACB-E incorporates a Variable Temperature heat element and a Rate Of Rise heat element, both of which are controlled from the Control Panel, allowing either thermal element or both elements simultaneously to be active in making the fire decision. The sensor polling LED's can also be controlled via the Control Panel (pulsing/non-pulsing).

Products

Analogue Waterproof Multi-Heat Sensor
ACB-EW

Features

▸ User selectable modes

▸ Incorporates Fixed Temperature and Rate Of Rise Heat elements

▸ Twin fire LED's allow 360° viewing

▸ Pulsing/non-pulsing controlled from panel

▸ Electronically Addressed

▸ IP Rated to IP67

▸ Supplied with fixing base

▸ LPCB approved to Classes A, B & C
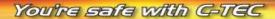
Description

Model ACB-EW is a Waterproof Multi-Heat Sensor, which is fully compatible with Hochiki's ESP Analogue Addressable Protocol.

The ACB-EW incorporates a variable Fixed Temperature heat element and a Rate Of Rise heat element, both of which are controlled from the Control Panel, allowing either thermal element or both elements simultaneously to be active in making the fire decision. The sensor polling LED's can also be controlled via the Control Panel (pulsing/non-pulsing).

Rated to IP67, the ACB-EW can be used externally and is supplied with its own fixing base which is used to fix the sensor. Flying leads from the sensor connect directly to the loop via waterproof connectors.

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Products

Analogue Photoelectric Smoke Sensor
ALG-EN

Features

▸ Removable, High Performance chamber

▸ Twin fire LED's allow 360° viewing

▸ Locking mechanism (sensor to base)

▸ Variable sensitivity

▸ Electronically addressed

▸ Approved by LPCB & VdS
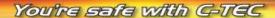
▸ Also available in white or black

Description

Model ALG-EN is a Photoelectric Smoke Sensor, which is fully compatible with Hochiki's ESP Analogue Addressable Protocol. The ALG-EN is available in ivory, white or black, the black version (with matching black base) is ideal for nightclubs and cinemas where attention to aesthetics is required.

The ALG-EN incorporates Hochiki's newest High Performance Chamber Technology removing the need to use Ionisation Smoke Sensors in the majority of applications. This also allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.

The ALG-EN smoke chamber is easily removed or replaced for cleaning and utilises a unique improved baffle design which allows smoke to enter the chamber whilst keeping out ambient light.

Products

Analogue Addressable Loop-Powered Beacons
CHQ-AB Range

Features

▸ High Intensity LED technology

▸ Variable flash frequency*

▸ Addressable via Hand Held Programmer (TCH-B100)

▸ Up to 127 devices per loop

▸ Choice of 3 lens colours (red, amber and blue)
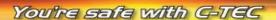
▸ Approved by VdS

Description

The CHQ-AB range consists of addressable loop-powered Beacons, with high-intensity LEDs and a Fresnel lens design which produces a highly visible flash.

The casings exactly match the Hochiki ESP Sensor range in shape and colour providing seamless integration.

The units can be used on the Standard ESP Base (YBN-R/3), the Base Sounders (CHQ-BS or YBO-BS), the Base Sounder Beacon (YBO-BSB) or the Short-Circuit Isolator Base (YBO-R/SCI).

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Products

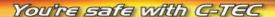## Analogue Wall Sounder Beacon
CHQ-WSB

Features

▸ Loop Powered

▸ Single Loop Address - addressed via the TCH-B100 Hand Held Programmer

▸ Variable Sound Output
90 ~ 102dB(A) (±2dB(A)) output at 1 metre

▸ High Intensity LED technology

▸ Variable flash frequency*

▸ Fits Hochiki Standard or Isolator Base

▸ Weatherproof Kit available

▸ 51 User-Selectable Tones (all tones EN54-3 compatible)

Description

Model CHQ-WSB is an addressable loop powered Wall Sounder Beacon innovatively designed to provide a range of tones and volumes with a maximum output of up to 102dB(A) (±2dB(A)) with low current consumption. The unit features an integral beacon within the horn utilising high intensity LED technology and is designed to fit to the Standard Base (YBO-R/3(RED)) or the Isolator Base (YBO-R/SCI(RED)). The sounder is IP rated to IP21 for internal use but it can be made weatherproof by utilising the WS2-WPK Weatherproof Kit, which consists of a specialised back box and gasket set.

Also incorporates an auto shutdown mode* which allows the user to set a fixed time within which the sounder will operate, before automatically silencing itself, ideal for minimising noise pollution.

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Products

Analogue Addressable Manual Call Point with Short-Circuit Isolator
HCP-E(SCI)

Features

▸ Fast response

▸ Bi-coloured status LED (red for alarm, amber for short-circuit)

▸ Non-frangible element fitted as standard (conforms to EN54)

▸ Addressed with TCH-B100 Hand Held Programmer

▸ Surface or flush mounting
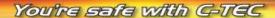
▸ LPCB Approved to EN54

Description

Model HCP-E(SCI) is a Manual Call Point with integral short-circuit isolator, which is fully compatible with Hochiki's ESP analogue addressable protocol.

The unit incorporates a bi-coloured LED, which can be selected as pulsing/non-pulsing[*1] for communications polling and is continuously lit when the HCP-E(SCI) is operated – in these two states the LED will show red. The LED will show amber when a short-circuit is present but will switch to red if the unit is activated. The unit operates by pressing the EN54 compliant non-frangible (plastic) element and produces a high level ESP interrupt. A built in test function initiated by the control panel ensures the integrity of the device at all times and the device can be tested by insertion of a test key in the underside of the unit. Two terminal blocks are provided for easy connection to the loop wiring.

The unit is addressed using the TCH-B100 Hand Held Programmer for quick and reliable addressing and the unit can also be flush mounted if required. An optional glass element is also available.

Products

Analogue Common Mounting Base
YBN-R/3

Features

▸ Electronics free

▸ Stainless steel contacts

▸ Takes 2.5mm² cables

▸ Slim profile - only 8mm

▸ Rugged wiring contacts

▸ Facility for remote indicator

▸ Quick Connection via square cable clamps

▸ Also available in white

Description

Model YBN-R/3 is a Common Mounting Base, which is fully compatible with Hochiki's ESP range of sensors.

It is supplied with square cable clamps for secure and reliable cable termination and is also capable of driving a remote LED if required.

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Testimonials

XFP analogue addressable fire panel

Namco
(Gaming Centre)
Gateshead

The Friary
(Rehearsal Theatre)
Liverpool

Booths
(Foodstore)
Lytham

ZFP touchscreen-controlled addressable fire panel

Bridge College
Manchester

Killeavy Gaelic Athletic
Club, South Armagh

Red Bank Extra Care
Scheme, Bury

University Technical
College, Wigan

Hush Button Fire Alarm Solution

Boatman Court
(Student Accommodation)
Preston

John Robert Gardens
(Housing Development)
Cumbria

The Friary
(Apartment Block)
Portsmouth