



# Fire Detection

eurotech<sup>®</sup>  
fire systems limited

# 2022

WIRELESS DETECTION | ADDRESSABLE FIRE RANGE |  
CONVENTIONAL FIRE RANGE | ACCESSORIES

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## About us

KD Electronics are wholesale distributors to the Trade of TV, Satellite, CCTV, Video intercom, Access control, Alarm, Fire detection, Audio, Gate automation and Network products Since 1994.

We have been working closely with our customers for over 25 years planning IRS systems, large CCTV projects, Audio Systems and much more to the highest standards.

We now have two trade counters: in Cork, our warehouse, and in Dublin. We offer next day delivery with DPD, GLS or Fastway. Credit and cash customers can register on our website and place orders (online or mobile application) on credit or pay online via multiple payment methods.

You can register for a Trade account now to view our trade prices and live stock with next day delivery when you place an order before 3:00pm.

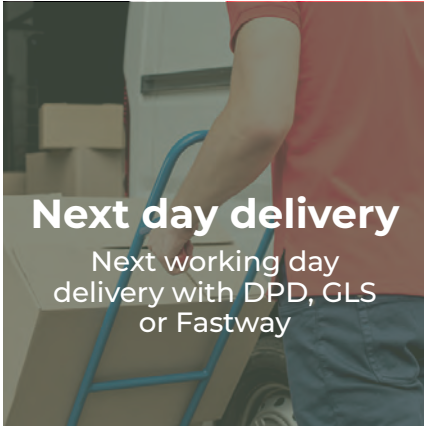
If you are interested in being a reseller or if you are a wholesaler we can set you up on our special reseller pricing structure, just email us at [sales@kdelectronics.ie](mailto:sales@kdelectronics.ie).

Check out the full range of products on our website [www.kdelectronics.ie](http://www.kdelectronics.ie) or mobile application where you can order, view live prices and data-sheets.

## Our services



### Training Days



### Next day delivery

Next working day delivery with DPD, GLS or Fastway



### Technical Support



### Newsletter

Subscribe to our newsletter for monthly special offers and news on the latest technology & products



### Trade account

Create a trade account for easy checkout, live prices and live stock



### Mobile Application

Browse our full range of products and place your order from anywhere

# Toccare Intelligent Fire Alarm Control

The Toccare® Touch Screen Panel is one of the slickest fire alarm panels on the market. Its clean, minimalistic design aesthetic combined with innovative features and functionality makes it ideal for architects, prestigious buildings and high-end sites where presentation is key.

The end-user can access details such as events, alarms, faults and more, with the use of their own five digit password, different to the engineer's access code.



## FIRE - ADDRESSABLE PANELS

The Toccare<sup>®</sup> Intelligent Touch Screen Panel demonstrates the latest in fire alarm technology - the world's first fully touch screen, EN54 certified fire alarm panel. Toccare<sup>®</sup> by Eurotech is the first range of truly aesthetically designed fire alarm panels developed to slip seamlessly into high-end, exclusive surroundings.



Its unobtrusive appearance sits perfectly in design-led apartment buildings, prestigious hotels and high-end office buildings. With a slick black or white exterior, and customisable backlit LED lighting, the Toccare<sup>®</sup> range is without doubt the sleekest, most innovative fire alarm panel range available in the fire industry today.

Compatible with both wired and wireless detection or a hybrid mix of both and the ability to facilitate up to 240 addressable devices per loop, the powerful Toccare<sup>®</sup> Fire Alarm Panel is an intelligent choice for any large, upscale building requiring an aesthetic yet robust, accomplished fire safety system.

- Expandable up to 9 loops, with up to 240 devices per loop.
- Connect up to 128 panels on a network loop to manage huge systems with more than 250,000 devices.
- Up to 192 logic detection areas and 96 logic functions for cause and effect programming.
- 56 zone LEDs as standard for the UK and Ireland



# FIRE - ADDRESSABLE PANELS

## Toccare Range

When combined with our extensive range of compatible industry leading control equipment, the Touch Screen Panel offers the most flexible wired or wireless fire solution available today

### Features

**Unique design**  
The Toccare® Touch Screen panel offers all the information and instructions you need on a single touch screen

**Expandability**  
Connect up to 128 panels on a network loop to manage massive systems with more than 250,000 devices

**Touch Screen**  
It's made to be touched, the first certified fire panel fully touch! A totally touch screen panel with an easy-to-use interface

**Custom**  
It also has customisable lighting options with white or tricolour back lighting LED's

**Variety of Languages**  
A superior quantity of characters and symbols, up to 11 languages



Our code		Colour		
<b>35006</b>	700-100LED		<b>Toccare One 1 loop panel exp to 9 loops</b>	
<b>35007</b>	700-300LED		<b>Toccare One 3 loop panel exp to 9 loops</b>	
<b>35008</b>	700-500LED		<b>Toccare One 5 loop panel exp to 9 loops</b>	
<b>35009</b>	700-700LED		<b>Toccare One 7 loop panel exp to 9 loops</b>	
<b>35010</b>	700-900LED		<b>Toccare One 9 loop panel c/w 56 LEDs</b>	
<b>35011</b>	700-100LEDB		<b>Toccare One 1 loop panel exp to 9 loops</b>	
<b>35012</b>	700-300LEDB		<b>Toccare One 3 loop panel exp to 9 loops</b>	
<b>35013</b>	700-500LEDB		<b>Toccare One 5 loop panel exp to 9 loops</b>	
<b>35014</b>	700-700LEDB		<b>Toccare One 7 loop panel exp to 9 loops</b>	
<b>35015</b>	700-900LEDB		<b>Toccare One 9 loop panel c/w 56 LEDs</b>	

# FIRE - ADDRESSABLE PANELS


## Toccare Mini Range


The Toccare Touch screen Mini Panel is the Toccare Panel's smaller brother. It comes in a smaller package, yet still delivers reliable usage for the end-user.


The Panel offers a clean and even more minimal design than most fire alarm control panels. It can fit into any building and offers a great aesthetic which you will be proud to show off.


The Mini Panel works well with a wired or wireless system and will work equally flawless with either. Offering efficient solutions and a new age in the fire safety industry.


### Features

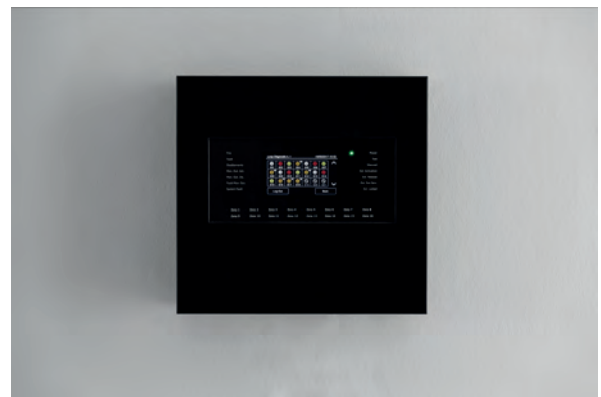
 **Compact**  
The Mini Panel comes in a compact, convenient package creating an attractive look which still includes excellent features



 **Variety of Languages**  
A superior quantity of characters and symbols, up to 11 languages

 **Touch Screen**  
It's made to be touched, the first certified fire panel fully touch! A totally touch screen panel with an easy-to-use interface



 **2 Sounder Circuits**  
With 2 sounder circuits and 4 on-board relays (x2 fire x2 fault) offers a comprehensive technical solution in a small, compact, powerful panel

 **Up to 15 Repeater Panels**  
The Mini Panel offers up to 15 repeater panels, making you able to access the functions of the panel from remote locations



Our code	Colour			
<b>35000</b>	700-100L		<b>Toccare Lite 120 address control panel c/w 16 LEDs</b>	
<b>35001</b>	700-100L(B)		<b>Toccare Lite 120 address control panel c/w 16 LEDs</b>	

These two panels will do 120 devices and are not expandable, perfect for smaller jobs.

Our code	Colour			
<b>35002</b>	700-101		<b>Toccare Dedicated single loop panel c/w 16 LEDs</b>	
<b>35003</b>	700-101(B)		<b>Toccare Dedicated single loop panel c/w 16 LEDs</b>	

These two panels are a 1 loop panel that will do 240 addressable devices, not expandable

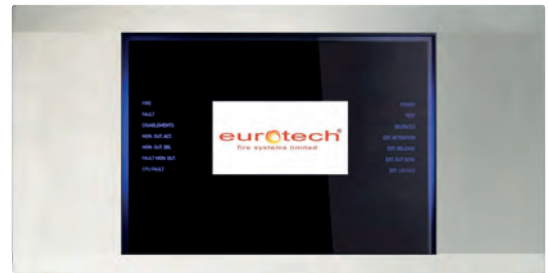
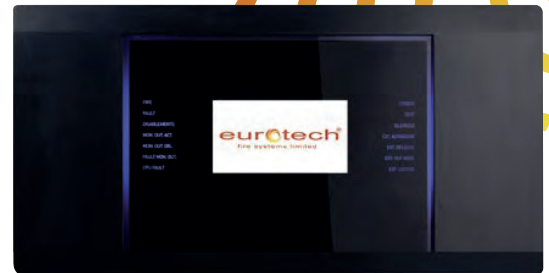
# Toccare Repeater Fire Alarm Control Panel

The Toccare Repeater panel is an aesthetically pleasing device that repeats information from the main control panel.

Being touch screen, Toccare is sure to complement the design of hotel lobbies, prestige homes and other modern environments.

LEDs surround the touchscreen display, which can act as a mood light for many interior spaces.


A compact design that meets the compromise between aesthetics and fire safety!



- Connect up to 15 repeater panels per system panel, enabling you to access the functions of the panel from remote locations.
- Wall or flush mounted to suit your client's site.

## Our code

## Colour

<b>35018</b>	700-200		<b>Toccare One Repeater panel white</b>	
<b>35019</b>	700-200B		<b>Toccare One Repeater panel Black</b>	



# FIRE - ADDRESSABLE PANELS

## Mx Pro 5

The MxPro 5 series control panels are fully expandable from 1 - 2 loops and supplied with 2 on-board sounder circuits, 20 programmable zonal LEDs with slide-in labels, and 25 system LEDs for information purposes. There are also 4 programmable function buttons with LED indication for confirmation of operation.

The control panel consists of the latest dual flash-based microprocessor technology combined with a high resolution, high contrast, graphical LCD display and tactile keypad providing a simple select and click programming aid for engineer configuration and end user operation.

### Features

1-2 Loop Panel

Programmable Push Buttons

Slide-in labels

Multiple Languages

Fully expandable

Rack-mount options

Global Compliance

Fully Networkable

3 Year Warranty

20 Zonal/25S ystem LED's



### Our code

### Colour

35087	MX-5101	●	Advanced 1 Loop Fire Panel c/w 1 loop	
35091	MX-5201	●	Advanced 1-2 Loop Fire Panel with 1 Loop Fitted	
35092	MX-5202	●	Advanced 2 Loop Fire Panel with 2 Loop Card	
35093	MX-5401	●	Advanced 1-4 Loop Intelligent control	
35094	MX-5402	●	Advanced 1-4 Loop Fire Panel c/w 2 Loop cards	
35095	MX-5403	●	Advanced 4 Loop Int Panel with 3 Loop	
35096	MX-5404	●	Advanced 1-4 Loop Fire Panel c/w 4 Loop Cards	
35097	MX-5802	●	Advanced 2-8 Loop Fire Panel c/w 2 Loop cards	
35098	MX-5806	●	Advanced 2-8 Loop Fire Panel c/w 6 Loop cards	
35099	MX-5808	●	Advanced 2-8 Loop Fire Panel c/w 8 Loop cards	

# FIRE - ADDRESSABLE ODYSSEY / APOLLO DEVICES

## Odyssey Detectors

### Optical smoke detector — 200-503

The Odyssey Intelligent Optical Smoke Detector works using the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.



- Responds well to slow-burning, smouldering fires
- Well suited for bedrooms and escape routes
- Unaffected by the wind or atmospheric pressure

#### Our code

35051

### Optical multi-sensor detector — 200-505

The Odyssey Intelligent Multi-Sensor Detector contains an optical smoke sensor and a thermistor temperature sensor whose outputs are combined to give the final analogue value.



- Sensitive to a wide range of fires
- Well suited for environments such as hotel bedrooms
- Unaffected by wind or atmospheric pressure

#### Our code

35050

### Standard heat detector — 200-501

The Odyssey Intelligent Heat Detector monitors temperature by using a single thermistor which provides a count output proportional to the external air temperature. The standard heat detector is classified as an A2S device and will report an alarm at 55°C.



- Ideal in environments that are dirty or smoky under natural conditions
- Well suited for warehouses, loading bays and carparks
- Unaffected by wind or atmospheric pressure

#### Our code

35052

### High temperature heat detector — 200-502

The Odyssey Heat Detector monitors temperature by using a single thermistor which provides a count output proportional to the external air temperature. The high temperature detector, classified as a CS device, will report an alarm at 90°C.



- Ideal in environments that are dirty or smoky under natural conditions
- Well suited for warehouses, loading bays and carparks
- Unaffected by wind or atmospheric pressure

#### Our code

35053

## Odyssey Detector Accessories

### Standard base — 200-111

All detectors in the Odyssey Intelligent range, including the Odyssey Intelligent Standard Base fit the Intelligent Mounting Base. The Mounting Base is a low insertion force base with stainless steel contacts for the detector terminals. XPERT cards are supplied with all bases.



- XPERT Addressing
- One way fit of detector
- Locking feature to prevent unauthorised detector removal

#### Our code

35054

### Isolating base — 200-113

The Odyssey Isolating Base senses and detects short-circuit faults on Odyssey loops and spurs. Up to 20 detectors or their equivalent load, may be installed between isolating bases



- High brightness LED
- Detects wiring short-circuits
- Minimises disruption from short circuits

#### Our code

35056

### Manual Call Point — 200-500A

The Odyssey Manual Call Point has a highly visible alarm indicator which can be seen from up to 10 metres away. When activated, the manual call point interrupts the polling cycle for a fast response. A combined LED indicator and front reset mechanism allows for a quick and simple reset.



- E-Z fit connectors
- Resettable element
- Backward compatibility and retro-fit

#### Our code

35057

# FIRE - ADDRESSABLE ODYSSEY / APOLLO DEVICES

## Odyssey Sounders

### Wall mounted sounder — 200-103

The Intelligent Open-Area Sounder has been designed for use in open areas and can be connected to any Odyssey system.



- Two volume settings 92dB(A) and 100dB(A)
- Synchronisation of tones
- Individual and group addressing
- Built in isolator
- Loop-powered

#### Our code

35063

### Wall mounted sounder beacon — 200-104

The Intelligent Open-Area Sounder Beacon Visual Indicator is designed for use in open areas and can be connected to an Odyssey system.



- Self-test monitoring
- Two volume settings 92dB(A) and 100dB(A)
- Individual and group addressing
- Synchronisation of tones and flashes
- Built in isolator
- Loop-powered

#### Our code

35064

### Wall mounted beacon — 200-105

The Intelligent Open-Area Beacon Visual Indicator has been developed for use in situations where there is a risk that sounders will not be heard. For use with Odyssey systems



- Self-test fault monitoring
- Individual and group addressing
- Synchronisation of flashes
- Comes with Isolating Base as standard
- Loop-powered

#### Our code

35065

### Loop Powered Beacon — 200-110

The Loop-Powered Visual Indicator is a local-area visual indicator designed for indoor use. The Visual Indicator has been developed as a supplement to sounders for use in situations where there is a risk that sounders will not be heard.



- High intensity LEDs
- More reliable than xenon visual indicators
- Automatic LED check
- Lockable
- Wide angle of visibility
- Can be used with Odyssey systems

#### Our code

35066

## Integrated Sounder Base



### Sounder Base - Isolating

XP95 Sounder Base with integral isolated mounting base. Designed for indoor use.



- Two Apollo Tones
- EN54-3 Sounder
- Selectable Volumes: 55–75dB (A), 75–91dB (A)
- XP95 (works on Discovery & CoreProtocol)
- XPert7 Addressing
- 4" Isolated Base

#### Our code

35067

### Sounder Beacon Base with Isolator

XP95 Sounder Visual Indicator Base with integral isolated mounting base. Designed for indoor use.



- Two-Tone EN54-3
- Selectable Volumes 55–75dB (A), 75–91dB (A)
- Visual Indicator Beacon (Red-Flash)
- XP95 (works on Discovery & CoreProtocol)
- 4" Isolated Base EN54-17

#### Our code

35068

### Loop-Powered Visual Indicator Base

The Visual Indicator Base is a loop-powered visual indicator combined with a standard Intelligent Mounting Base. It is used to signal a fire alarm in enclosed areas. The visual indicator base can be used with either a detector fitted or with a cap as a stand-alone alarm device.



- Visual indicator flash rate of once per second
- Synchronisation of visual indicator flash
- Individual and group addressing
- Loop-powered
- Built-in Isolator

#### Our code

35069

# FIRE - ADDRESSABLE ODYSSEY / APOLLO DEVICES

## Devices & Accessories

### Odyssey Isolator Base — 200-504

The Isolator is placed at intervals on the loop and ensures that, in the case of a short circuit, only the section between the isolators will be affected. When the short circuit is removed, the isolators automatically restore power and data to the isolated section. The Isolator can only be used with an Isolator base (sold separately) and will not fit a standard addressable base.

Up to 20 detectors (or equivalent) may be installed between isolators



#### Our code

35059

### Odyssey Zone Monitor — 200-203

#### Odyssey Zone Monitor Unit with Isolator

The Zone Monitor powers and controls the operation of a zone of up to 20 conventional fire detectors from a Odyssey loop.



#### Our code

35060

### Odyssey Mini Switch Monitor — 200-201

The Odyssey Mini Switch Monitor is an interface within an entirely new housing. This allows the unit to be fitted onto a standard 35mm DIN-Rail (using a twist-click motion) or mounted within an enclosure, for example a manual call point.

It is designed to monitor the state of one or more single pole, volt-free contacts connected on a single pair of cables and to report the status to Odyssey compatible analogue addressable control equipment.



#### Our code

35061

### Odyssey Sound control Unit — 200-206

The Odyssey Sounder Control Unit is used to control the operation of a zone of conventional sounders and report their status to the control panel.



- Allows sounders to be operated continuously or be pulsed; 1 second on, 1 second off
- May be synchronised with loop sounders

#### Our code

35062

### Intelligent Switch Monitor

The Intelligent Switch Monitor Module is used to monitor one or more single pole, volt free contacts connected on a single pair of cables and report status to fire control panel.



- Priority and non-priority settings
- Switchable time delay on input for use when monitoring flow switches
- Ergonomic design for ease of wiring and faster installation
- Suitable for semi flush or surface mounting

#### Our code

35070

### Intelligent Input/Output Unit

The Intelligent Input/Output Module is used to monitor single pole, volt free contact inputs and control relay output contacts.



- Ergonomic design for ease of wiring and faster installation
- Suitable for semi flush or surface mounting

#### Our code

35071

### Intelligent Mains Switching I/O Unit

The Intelligent Input/Output Module is used to monitor two single pole, volt free contact inputs and control mains switching relay output contacts.



- Two input channels
- Ergonomic design for ease of wiring and faster installation
- Suitable for semi flush or surface mounting

#### Our code

35072

### Intelligent Twin Input/Output Unit

The Intelligent Input/Output Module provides the function of two Input/Output Modules to monitor single pole, volt free contact inputs and control relay output contacts.



- Ergonomic design for ease of wiring and faster installation
- Suitable for semi flush or surface mounting
- XP95, Discovery and CoreProtocol compatible

#### Our code

35073

# FIRE - ADDRESSABLE EUROTECH DEVICES

## Eurotech Detectors

### Intelligent optical smoke detector — 100-2100V

The EURV-P(I) Intelligent Optical Smoke Detector is a point detection device that continuously monitors the air in the protected area to provide the earliest warning of a fire condition.



- DRC dust restrict technology
- High immunity to airborne contaminants
- Fully digital Eurotech protocol
- Fully compatible with a wide range of control panels and partners
- Customised and bespoke options

**Our code**

<b>35109</b>	100-2100V	<b>EURV-P Intelligent optical smoke detector</b>
<b>35110</b>	100-2101V	<b>EURV-P(I) Intelligent optical smoke detector c/w isolator</b>

### Intelligent multi-sensor detector — 100-2100V

The EURV-PH multi-sensor detector detects smoke by the Tyndall effect and supervises environmental temperature with low thermal inertia via a centrally placed NTC thermostat. The combined data of optical and thermal provides the earliest warning of fire offering at the same time a high level of false alarm rejection.



- DRC dust restrict technology
- High immunity to airborne contaminants
- Fully compatible with a wide range of European control panels and partners
- Customised and bespoke options

**Our code**

<b>35108</b>	100-2400V	<b>EURV-PH Intelligent multi-sensor detector</b>
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### Intelligent A1R Heat Detector — 100-2200V

The EURV-H-A1R Intelligent Heat Detector is a point detection device that continuously samples for temperature variation in the protected area to provide the earliest warning of a fire condition in areas where traditional smoke detection products are not suitable.



- Fully compatible with a wide range of European control panels and partners
- Customised and bespoke options
- Up to 240 devices per addressable loop
- Bi-directional isolator to protect against cable faults (optional)
- Programmable using the Device Programming Tool

**Our code**

<b>35111</b>	100-2200V	<b>EURV-H-A1R Intelligent Heat Detector</b>
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## Eurotech Detector Accessories

### Standard mounting base — 100-3000V

The standard intelligent low profile mounting base has been designed for use with any of the Eurotech point type intelligent detector range. The base's layout allows plenty of space for cable access and has multiple mounting-hole positions for use with a variety of back boxes. The unit has terminations for loop wiring, remote indicator connection and termination of shield cabling



**Our code**

**35112**

### Manual Call Point c/w Isolator — 100-2203V

The Eurotech resettable indoor call point is smooth and quick to install thanks to the easy wiring design and the front operating element that snaps into place requiring no additional tools.



**Our code**

**35113**



# FIRE - ADDRESSABLE EUROTECH DEVICES

## Devices & Accessories

### Platform Base Sounder Beacon — 100-5011V

The EURV-ABSB is a fully intelligent low profile Base Sounder with combined 360° visual indicator. Reliable and fast operation is achieved even when employing the impressive 240 device loop capacity.



- Employs fully digital Hyfire protocol
- Built in loop isolators
- Selection of 32 tones
- Synchronised sounder
- 360 degree visibility of VID when activated
- Programmable via the Device Programming tool

**Our code**  
35115

### Slave Platform Sounder/Beacon VAD Base — 100-2017V

The 100-2017V is a low profile 32 tone audio/visual base sounder with combined white visual indicator, suitable for all devices in the Eurotech range of intelligent detectors. It offers class-leading acoustic and EN54-23 compliant visual performances with extremely low current consumption.



**Our code**  
35116

### Platform Base Sounder — 100-2010V

It is designed to be fully compatible with the Eurotech intelligent range of devices. 32 selectable tones. Each device takes one unique address from the range of 1 to 240. A Bi-directional isolator is fitted to help protect against wiring faults and allows auto addressing on compatible control panels. The number of devices on the loop is determined by the total loop load calculation.



**Our code**  
35117

### Slave Platform Sounder Base — 100-2015V

The 100-2015V is a low profile 32 tone audio/visual base sounder with combined white visual indicator, suitable for all devices in the Eurotech range of intelligent detectors.



- Compatible with standard remote activation
- Altair range compatible base
- Selectable tone/volumes via integral dip switch
- Low profile design
- Low current consumption

**Our code**  
35114

### Zone monitor module — 100-2023V

The conventional zone monitor connects a zone of conventional detectors to a Eurotech intelligent loop. The device has an on-board relay output driven by the control panel.



- Provides high reliability and error detection
- Short-circuit isolators in each device
- Addressable via 100-8003a hand-held programmer
- Auto addressing capability
- Digital checking of double address

**Our code**  
35118

### Single supervised input module — 100-2027V

The Eurotech EURV-IM-SP supervised input modules are loop powered and operates using the Eurotech protocol. The input channel is supervised and will detect normal / short / alarm / open conditions



**Our code**  
35119

### Single Supervised Output Module - 100-2030V



- EURV-OM
- Employs the highly reliable
- Eurotech digital protocol 3rd party approval to EN54-17 and EN54-18

- Integrated short circuit isolators to protect and maintain operation
- Loop powered with very low current consumption
- Robust proven design offering operation over a wide temperature range
- Single monitored output circuit plus provision for external power
- Bi-colour LEDs show local status
- 5 year product warranty

**Our code**  
35120

### 240V Mains Rated Relay Unit - 100-8240V

The EURV-MRU 240V Mains Rated Relay Unit upgrades a standard EURV-OM-RM mini output module to a unit capable of switching mains voltages and higher currents.



**Our code**  
35127

### EURV-AD2 Intelligent Device Programmer - 100-8003V

The hand held EURV-AD2 Programmer unit is designed to program and various parameters stored within the Eurotech range of detectors.



- Easy to use
- Clear device display
- Auto shut-off to save battery
- Displays the sensor analogue values
- Includes the programming cables for backward compatibility
- 5 year product warranty

**Our code**  
35128



# sygn<sup>o</sup>-fi

## Wireless Fire systems

# OPEN PROTOCOL

for easy integration with  
most AV fire panels



# EN54-25 certified

in line with European product standards



## sygNEX

advanced programming  
for quick, simple system  
specifications



# TEN YEARS

battery life on call  
points, sensors & inputs



# UP TO FIVE YEARS

battery life on VADs,  
outputs & sounders

for easy system  
management &  
diagnostics



## WIRELESS DONGLE

# HYBRID TECHNOLOGY

allows both wired & wireless  
devices to work seamlessly

# FUTURE PROOF TECHNOLOGY



so no need  
to upgrade  
systems

# Powerful. Reliable. Easy to use.

## sygno-fi

This incredibly powerful and easy to configure EN54-25 wireless fire alarm system is packed full of features making it one of the safest solutions on the market.

### Open Protocol

The Sygno-fi range is open protocol, so it is easily integrated with most addressable fire alarm panels giving you complete flexibility and choice.

### Network Optimiser

Sygno-fi devices use 60 channels to ensure interference and channel collisions are avoided. It also checks and confirms that every packet of data is sent and received as expected.

### SafePath

Redundant communication paths between expanders are automatically identified. If any Expander module in the chain fails, the path finds a new route, ensuring communication continuity.

### SafeSwitch

The system is built with dual channel communication between devices. If one channel is blocked, the other automatically takes over so that every message is delivered.

### 10 Year Warranty

Sygno-fi systems come with a 10-year battery life on sensors, call points and inputs and up to five years on output devices, sounders and VADs.

### EN54-25 Certified

All the devices in the Sygno-fi range are EN54-24 Certified in line with the European product standard for wireless fire alarms.



## Pathfinder Technology

With a point to point transmission range over 1km and an antenna performance across frequencies and environments, Sygno-fi protects large buildings with ease.



## Power Management

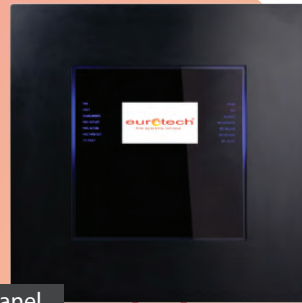
A synchronised clock among the field and infrastructure devices with a communication slot to transmit and receive messages helps optimise battery life.



## Hybrid Technology

The Sygno-fi range is compatible with hybrid systems, allowing both hardwired and wireless devices to work seamlessly. Each hybrid loop can take up to 240 devices.

Toccare panel



Sygno-fi Translator Module  
our code: 36000



Remote indicator  
our code: 36015



Wireless Multi-Sensor Detector  
our code: 36002



Wireless Optical Detector  
our code: 36003



Sygno-fi Expander Module  
our code: 36014



Wireless MCP  
our code: 36005



Wireless Wall Sounder VAD  
our code: 36010



Wireless Wall Sounder  
our code: 36009



24V PSU  
Battery backup  
our code: 35144



If any Expander in the chain fails, the transmission path finds an alternate route, ensuring communication continuity.

..... Primary path

..... Redundant path

This new range of high-performance open protocol EN54-25 wireless detection, control and alarm devices offer exceptional capabilities, quality and reliability. Combined with user-friendly survey, install, commissioning and maintenance software, the Sygnof range revolutionises the wireless fire systems market.

The Sygnof wireless platform is suitable for both small-medium or large sites, with the capability to handle up to 128 devices per wireless translator and 240 per hybrid loop, along with a 10-year battery life on sensors, call points and inputs and five years on output devices, sounders and VADs



### Detectors

The detectors are fully intelligent devices combining both dual optical smoke and heat detection technologies for improved performance, whilst maintaining high levels of unwanted alarm rejection.

Utilising well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved. An in-built magnet test allows easy activation to verify correct functionality and response.

#### Our code

<b>36002</b>	SYG-MA	<b>Sygnof Multi-Sensor Detector</b>
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The device is capable of being configured as either a high temperature or rate of rise device type. The well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved. An in-built magnet test allows easy activation to verify correct functionality and response.

#### Our code

<b>36004</b>	SYG-TA	<b>Sygnof Heat Detector</b>
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Utilising well-proven adaptive radio signal processing algorithms it ensures the highest levels of life safety and system reliability are achieved. In-built magnet test allows easy activation to verify correct functionality and response.

#### Our code

<b>36003</b>	SYG-PA	<b>Sygnof Optical Detector</b>
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These devices are supplied with a standard base and is compatible with the following sounder bases: SYG-BS | SYG-BSB-23W | SYG-BSB-23R

### Manual Call Point



The SYG-CP Sygnof Manual Call Point (MCP) is a fully intelligent device which is compatible with all Sygnof translator and expander modules. The unit has a resettable plastic element, which displays a drop down warning indicator when operated. A key is supplied with the MCP for reset and case opening.

The product is powered by two lithium CR123A batteries with a typical life of 10 years.

A transparent cover protects against accidental operation, whilst a weatherproof enclosure is available for use outdoors or in hostile environments.

#### Our code

<b>36005</b>	SYG-CP	<b>Sygnof Manual Call Point</b>
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### Sounders & bases

The Sygnof-fi Wall Sounder is a EN 54-3 (Type B) compliant acoustic device, equipped with 3 levels of volume adjustment and 32 recognised tones which can be set via the control equipment or locally at the sounder. Red and white housing options are available.

#### Our code

<b>36009</b>	SYG-WSR	<b>Sygnof-fi Wall Sounder</b>	
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This Sounder VAD is a EN 54-3 (Type B) and EN 54-23 compliant visual/alarm device is equipped with 3 levels of volume adjustment, high output LED beacon, and 32 recognised tones which can be set via the control equipment or locally at the sounder. Red and white housing options are available.

#### Our code

<b>36010</b>	SYG-SBR	<b>Sygnof-fi Wall Sounder VAD</b>	
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This wireless sounder base can be used as stand-alone notification device (with a blanking cap) or as a combined detection and alarm device. The unit has as standard 32+32 recognised sounder tones and 4 levels of volume adjustment.

#### Our code

<b>36006</b>	SYG-BS	<b>Sygnof-fi Sounder Base</b>	
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This sounder with VAD base (red or white flash) is a high performance device, incorporating an EN54-23 compliant VAD used to alert people in the event of a fire. Each unit has an integral moulded base for mounting an wireless detector or a sounder cover if a detector is not required.

#### Our code

<b>36008</b>	SYG-BSB-23R	<b>Sygnof-fi Sounder VAD Base (Red Flash)</b>	
<b>36007</b>	SYG-BSB-23W	<b>Sygnof-fi Sounder VAD Base (White Flash)</b>	



### Modules



This Output Module has been designed to allow easy control of a variety of third party equipment including access control doors, ventilation plant and fire extinguishing systems. The unit is powered entirely from its internal battery supply. Mains rated version available.

#### Our code

<b>36012</b>	SYG-OM	<b>Wireless Output Module</b>	
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The SYG-IM Sygnof-fi Input Module has a single fully monitored input circuit which allows simple integration of third party equipment with the fire system.

#### Our code

<b>36013</b>	SYG-IM	<b>Wireless Input Module</b>	
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### Modules

The SYG-W2W Sygnof-fi Translator Module is the core component of the Sygnof-fi intelligent hybrid fire detection and alarm system. When connected on to a compatible loop, the unit is capable of linking up to 128\* fully intelligent wireless field devices with the fire alarm system. (\*when associated with at least 3 x Sygnof-fi Expander Modules.).

#### Our code

<b>36000</b>	<b>SYG-W2W</b>	<b>Sygnof-fi Translator Module</b>	
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The unit provides a convenient method to increase radio communication range beyond that possible from a single translator by relaying the radio communication to further expanders or directly to the wireless field devices, allowing to build large fully wireless systems or add wireless devices onto areas where cabling for translators is difficult or impossible.

#### Our code

<b>36001</b>	<b>SYG-EM</b>	<b>Sygnof-fi Expander Module</b>	
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Regardless of whether the system is intelligent or conventional the unit can be simply connected to a conventional zone and sounder circuit, directly or via loop modules. The wireless field devices connect to the system as non-addressable devices, but still utilise the same technology as Sygnof-fi intelligent wireless devices. They are fully monitored for alarm and fault, ensuring the highest levels of life safety and reliability are maintained. All wireless communications rely on a channel pair for spurious RF noise rejections and maximum link reliability.

#### Our code

<b>36014</b>	<b>SYG-CEM</b>	<b>Sygnof-fi Conventional Expander Module</b>	
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### Compatible Panels with Sygnof-fi system

Toccare Touch Screen Panel	700-100
Toccare Lite Half Loop Panel	700-100L
Toccare Mini Panel	700-101
Toccare Repeater Panel	700-200
Advanced Go Single Loop Control Panel	GO1V
Advanced Go+ Single Loop Control Panel	GO1VPLUS
Esprit 1-2 loop Control Panel	ESA-1001
Esprit 1-4 loop Control Panel	ESA-1002
Eurotech 1 Loop Intelligent Control Panel	EUR-5100N
Eurotech 2 Loop Intelligent Control Panel	EUR-5200N
Evotech AS Intelligent Control Panel	600-100
Evotech AS Lite Intelligent Control Panel	600-101
Evotech AS 1 Loop Addressable Control Panel	600-102S / 600-103S



## C-TEC Panels

LPCB certified to EN54-2/4, C-TEC's CFP 2/4/8 zone conventional fire alarm panels offer an array of user and installer-friendly features at a very competitive price.

Supplied in an attractive flush or surface mountable plastic enclosure, it includes detector zones, conventional sounder circuits, class change and alert inputs, on-board fire and fault relays and combined keypad/keys switch entry.

A wide range of engineering functions are also provided including selectable zone delays, coincidence and non-latching zone facilities. Comprehensive test and fault finding facilities are also provided.

Optional repeaters, relay expansion boards and EN54-13 system compliance devices are also available.

### Features

- Intuitive user-friendly interface with colour-coded buttons and combined keypad/keys switch entry.
- Two/Four /eight detector zone circuits.
- Four conventional sounder circuits.
- Wide range of engineering functions including zone test, coincidence, zone delay and non-latching zones.
- Two on-board relays (Fire and Fault).
- Two open-collector outputs (Remote and Reset).
- 'Class change' and alert inputs.
- Attractive flush or surface mountable plastic lid and enclosure - no bezel required.
- Low 25mA quiescent current.
- Multiple indicators.
- System expansion connections provided for up to eight two-wire repeaters (one CFP761 network card required per system), optional CFP relay boards and optional EN54-13 compliant sounder circuit boards.
- Space for two x 12V 3.3Ah VRLA batteries



### Our code

<b>35084</b>	C20CFP7024	<b>CTEC 2 Zone Conventional Fire Panel</b>	
<b>35085</b>	C20CFP7044	<b>CTEC 4 Zone Conventional Fire Panel</b>	
<b>35086</b>	C20CFP7084	<b>CTEC 8 Zone Conventional Fire Panel</b>	

### Conventional Detectors

The conventional smoke Detector incorporates a pulsing LED located within the housing of the detector. The external detector moulding is identical to that of the ionisation detector but has an indicator LED which is clear in quiescent state but produces a red light in alarm.

- Responds well to slow-burning, smouldering fires
- Well suited for bedrooms and escape routes
- Unaffected by the wind or atmospheric pressure
- Flashing LED and magnet operated test switch option

#### Our code

<b>36074</b>	<b>SYG-W2W</b>	<b>Odyssey Optical smoke detector</b>	
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The conventional Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are 4 heat detectors in the Odyssey Conventional designed to suit a wide variety of operating conditions.

- Can be used for applications where smoke detectors are unsuitable
- Ideal for environments that are dirty or smokey under natural conditions
- Wide operating voltage
- Flashing LED and magnet operated test switch option

#### Our code

<b>35075</b>	<b>200-400</b>	<b>Odyssey Conventional A1R Heat Detector</b>	
<b>35076</b>	<b>200-401</b>	<b>Odyssey Conventional BR Heat Detector</b>	
<b>35077</b>	<b>200-402</b>	<b>Odyssey Conventional CR Heat Detector</b>	
<b>35078</b>	<b>200-403</b>	<b>Odyssey Conventional CS Heat Detector</b>	



### Detector Accessories

#### Standard base — 200-300

The Odyssey Standard Base has been designed to enable detectors to be fitted without the need of force – particularly useful when fitting to suspended ceilings. All Odyssey bases have a 'one way only' fit. Detectors can be locked into place by a grub screw using a 1.5mm hexagonal screwdriver.



- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector
- Contains no electrical parts
- Terminal for remote indicator

#### Our code

**35079**

#### Diode Base — 200-301

The Odyssey Diode Base is designed for use with conventional systems that have manual call points and detector bases on the same circuit. The base is fitted with a schottky diode on the "L1 IN" and "L1 OUT" wiring terminals. This base can only be used with compatible control equipment.



- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector
- Continues to work during unauthorised removal of detectors

#### Our code

**35080**

#### Sav-Wire Base — 200-302

The Odyssey Manual Call Point has a highly visible alarm indicator which can be seen from up to 10 metres away. When activated, the manual call point interrupts the polling cycle for a fast response. A combined LED indicator and front reset mechanism allows for a quick and simple reset.



- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector

#### Our code

**35081**



The Odyssey Standard Relay Base provides one set of volt-free changeover (form C) contacts that change state when the detector signals an alarm.

- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector

#### Our code

<b>35082</b>	<b>200-303</b>	<b>Odyssey Relay base</b>	
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### Sounders

The unit can either be used as a standalone conventional device or as an intelligent unit by the addition of a wired module or wireless module. All devices are weatherproof therefore this combined with the modular approach means the majority of applications can be achieved with very few stock components. The unit is equipped with 3 levels of volume adjustment, high output LED beacon and 32 recognised tones which can be set via the control equipment or locally at the sounder.

#### Our code

<b>35138</b>	100-3800V	<b>Eurotech Conventional Sounder Beacon</b>	
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The unit can either be used as a standalone conventional device or as an intelligent unit by the addition of a wired module or wireless module. All devices are weather proof, therefore this combined with the modular approach means the majority of applications can be achieved with very few stock components. The unit is equipped with 3 levels of volume adjustment and 32 recognised tones which can be set via the control equipment or locally at the sounder.

#### Our code

<b>35139</b>	100-3801V	<b>Eurotech Conventional Wall Mounted Sounder</b>	
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The EVTG family of sounders has been designed to cover a wide spectrum of applications. The 24 volt EN54-3 approved version is for use with conventional fire alarm systems including two wire (SAV-WIRE®) and as standard comes with 32 tones. The sounder is supplied with a two stage alarm override which is activated by a third negative wire from the fire panel.

#### Our code

<b>35105</b>	510-017EUR	<b>EVTG Conventional Wall Sounder</b>	
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The sounder function, like all VTG products, comes as standard with 32 tones. The beacon function has been designed for maximum all-round visibility, coupled with low power consumption utilising an array of energy efficient LEDs. The sounder function features a two-stage alarm override which is activated by a third negative wire from the fire panel. Both the sounder and beacon functions are fully synchronised.

#### Our code

<b>35106</b>	511-112L	<b>24 Volt 32-Tone Spatial Sounder/Beacon</b>	
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### Manual Call Point



The Call Points are a call point that mimics the feel of breaking glass whilst offering the user the benefits and environmental advantages of a re-settable operating element. They are compatible with most conventional fire alarm systems. They are safe to use in areas where glass cannot be used such as food processing plants and leisure centres. As the units can be simply reset they provide an ideal solution for areas that suffer from a high number of false activations such as schools, shopping centres and other public places.

#### Our code

<b>35104</b>	100-1010	<b>EURVC-MCP CONVENTIONAL CALL POINT</b>	
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