FireClass

Introducing a new class of fire detection



Fire Detection Product Catalogue

FIRECLASS

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FireClass

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Some products are not available in all countries. Contact your local distributor for details.

Introducing a new class
of fire detection
FIRECLASS



What is FireClass?

FireClass is a revolutionary new class of commercial fire detection products.

FireClass consists of a comprehensive range of fully approved quailty products designed and manufactured in Europe.

FireClass is designed to appeal to both the end user and installer with the latest fire detection technology packaged in an easy to install, out-of-the box, digital open-protocol solution.

A new class of fire detection designed to meet all of your needs from a single supplier.

Comprehensive Range

FireClass provides a broad range of detection solutions. FireClass conventional fire detection products range from the low cost Duo-CEL 2 zone panel to the powerful and expandable 32 zone Precept EN Panel.

These are complemented by an enviable range of conventional fire detectors and accessories focussed on providing comprehensive protection and minimum false alarms.

FireClass addressable fire detection product range from the easily installed out-of-the box FireClass Lite to the 4 Loop FireClass 64 and FireClass 240 networked open protocol fire panels with optional FireClass Graphics.

FireClass addressable uses a powerful digital open protocol for high reliability and flexibility in installation.

FireClass - A New Class of Fire Detection.....

Fully Approved

In order to ensure peace of mind for both the installer and end user, FireClass products are third party approved and certified to relevant European standards. FireClass approvals go beyond the minimum requirements including EN54 approval of the FireClass network, EN54 detector approval in all detection modes and the Prescient III Extinguishing Panel having EN54-2, EN54-4 and EN12094-1 approval.

Digital Open Protocol

FireClass provides an open protocol solution widely available throughout the market via trade and distribution specialists ensuring freedom of choice for installers and end users.

Developed originally for the harsh marine environment FireClass uses a robust digital protocol that supports various wiring configurations to simplify installation and retrofit applications often problematic for competitors protocols.

Easy to Install

Ease of installation and engineering underpins the concept of FireClass. It runs through all the products. For example panel installation is simplified by allowing electronics to be easily removed for first fix and simple user friendly configuration software and fault finding tools speed up commissioning.

Field device installation is simplified through the flexibility of the FireClass digital protocol and other features such as the ceiling tile adaptor that can significantly speed up detector installation.

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FireClass Conventional Range



Introduction to FireClass Conventional Range

A new class of Fire Detection



Comprehensive Range

The FireClass conventional range offers the user a choice of control panel widely known and used throughout the world, ranging from the basic Duo-CEL 2 zone panel up to the versatile and adaptable Precept EN 32/zone panel.

The conventional control panel range is also complemented by the FireClass Prescient III Extinguishing Panel designed to provide ease of installation by allowing most industry conventional detectors to be connected to each zone.

Full Approvals Provide Peace of Mind

In order to ensure peace of mind for both the installer and end user, FireClass products are third party approved and certified to the relevant European Standards. FireClass approvals go beyond the minimum requirements including EN54 and CPD approval of the FireClass Precept EN and Duo-CEL, and the Prescient III Extinguishing Panel having EN54-2, EN54-4 and EN12094-1 approval. EN54 detector approval is also provided for all detectors in the FireClass range.

Enviable Point Detector Range

The FireClass range of conventional detectors can be used in all fire risk situations, from slow smouldering fires using CO technology to the fast flaming fires using the unique High Performance Optical detector, which emulates the characteristics of the ionisation detector, without the need for radioactive components.

High Performance Optical Multisensor is a general purpose detector that can be used as an ionisation detector replacement.

Carbon Monoxide/Heat Multisensor provides a high level of protection in environments where traditional smoke detectors are unsuitable.

Point Infrared Flame detector provides a low cost solution and early detection of liquid fuel fires.

Easy to Install

All FireClass conventional panels offer a user friendly, out-of-the box feel.

Both the Duo-CEL conventional and two wire offer a plastic enclosure comprising of a single cassette style motherboard, allowing for complete removal during installation.

The Precept EN and Prescient III are supplied in a robust metal housing, but still offer a chassis style design so the motherboard and power supply can be removed to allow for installation.

FireClass Conventional Range Overview



Duo-CEL

- Low cost EN54 and CPD approved introductory panel.
- Available in 2,4 and 8 zone versions.
- Key activated controls eliminating the need to remember codes.
- Optional repeater available.
- Versatile easy to install enclosure.



Duo-CEL 2 Wire

- All the benefits of the standard Duo-CEL panel.
- Significant installation saving by having both detectors and sounders installed on the same two wires.



Precept EN

- Fully featured range of engineered conventional panels.
- Available in 2,4,8,16 and 32 zones.
- Up to 5 repeaters per panel connected on a two wire bus.
- Precept offers extensive expansion capabilities from relay modules to alarm circuit expansion.



Prescient III

- EN54 approval for detection capability.
- EN12094-1 approval for gas releasing capability.
- Wide range of control panel status indicator units available in standard and weatherproof enclosures.



FireClass 600 Series Detection

- Comprehensive low cost range of conventional detectors with advance technology.
- Combined optical/heat detector ideal for ionisation replacement.
- Advanced carbon monoxide detector.
- Solar blind infrared flame detector.



Detector Bases and Accessories

- Detector bases and accessories.
- Range of standard bases, sounder bases and sounder/beacon bases complemented by the time saver ceiling adaptor allowing fast and easy installation.



Call Points

- The most recognisable indoor and outdoor callpoint.
- Available for both standard and 2 wire installations.
- Supplied with or without back box for easy installation.



Sounders and beacons

- Comprehensive range of sounders and beacons.
- Wide selection of sounds to match new and existing applications.
- Visual alarms available in the sounder/beacon range.



Door Release

- Both 24Vdc and 230Vac low cost units available.
- Finishes available in plastic, chrome or brass.
- Essential piece of fire protection equipment for most installations.



Remote Indicator

- Commonly used when line of sight is not available to the detector.
- Discreet devices used to reduce the fire search time.

Duo-Cel
Conventional Panel



General Features

- 2,4 & 8 Zone versions available in an aesthetically pleasing design.
- Sturdy, flame retardant, ABS plastic enclosure with controls, zone text insert and indications overlay.
- Easy to install, program and use. Key operated controls access.
- Panels can be surface or semi flush mounted and have 20mm cable gland breakouts.
- Comprehensive LED indications and user/engineer controls.
- Low standby power consumption.
- 4 Sounder circuits 4 & 8 zone, 2 on 2 zone panel. Zonal & Alert sounder options configurable.
- 1.5A switched mode power supply with temperature compensated battery charging.
- Enclosure houses 3.4Ah SLA batteries as standard.
- 8 Zone repeaters available with 24V or mains operation (suitable for 4 & 8 zone panels only).
- Short circuit zone activation option (Global).
- End of Line zone resistor option for retrofitting (Global).

Product Order Codes

508.031.702	Duo-Cel 2 Zone Panel
508.031.703	Duo-Cel 4 Zone Panel
508.031.704	Duo-Cel 8 Zone Panel
508.031.705	Duo-Cel 8 Zone AC Repeater
508.031.706	Duo-Cel 8 Zone DC Repeater

Duo-Cel
Conventional Two Wire Panel



General Features

- 2,4 & 8 Zone 2 wire versions available in an aesthetically pleasing design.
- Uses Fulleon 2 wire sounder (models: Squashni sounder & sounder/beacon base, Symphoni sounder).
- Uses resistor & zener diode EOL device, (no resistor only option as with standard panel).
- Sturdy, flame retardant, ABS plastic enclosure with controls, zone text insert and indications overlay.
- Easy to install, program and use. Key operated controls access.
- Panels can be surface or semi flush mounted and have 20mm cable gland breakouts.
- Comprehensive LED indications and user/engineer controls.
- Low standby power consumption.
- 4 standard sounder circuits 4 & 8 zone, 2 on 2 zone panel (as well as zone sounders).
- Zonal & Alert sounder options configurable.
- 1.5A switched mode power supply with temperature compensated battery charging.
- Enclosure houses 3.4Ah SLA batteries as standard.
- 8 Zone repeaters available with 24V or mains operation (suitable for 4 & 8 zone panels only).

Product Order Codes

508.031.708	Duo-Cel 2 Zone Two Wire Panel
508.031.709	Duo-Cel 4 Zone Two Wire Panel
508.031.710	Duo-Cel 8 Zone Two Wire Panel
508.031.705	Duo-Cel 8 Zone AC Repeater
508.031.706	Duo-Cel 8 Zone DC Repeater

Precept EN Conventional Panel



General Features

- From 2 to 32 zones (up to 32 detectors per zone).
- EN54-2 / CPD approval (BSI).
- Comprehensive end-user facilities (access level 2).
- Designed & built using the latest technology for optimum performance and consistently high quality.
- Extensive configurable facilities for the engineer via DIP switches.
- 4 alarm circuits as standard (4 zone panel and above).
- Up to 5 fully-functional repeaters - 2-wire RS485.
- Range of EN54 compliant power supply modules, designed to meet the specific load requirements of each size panel.
- Zonal one-man test feature and sounder one-man test facility.
- Short circuit to fire setting for use with older type detectors.
- Panel inputs for class change, evacuate, silence alarms, system reset.
- 3 open-collector outputs for evacuate, buzzer active, disablement active.
- Auxiliary supply output - monitored fuse.
- Panel expansion boards for open collector, relay and alarm outputs (for 8 zone panel or higher).
- Optional timer clock/counter module.
- Optional foreign languages text insertable versions available.
- Optional semi-flush and fully flush mounting bezels available.

Product Order Codes

508.032.701	Precept EN 2 Zone Panel
508.032.702	Precept EN 4 Zone Panel
508.032.703	Precept EN 8 Zone Panel
508.032.704	Precept EN 16 Zone Panel
508.032.706	Precept EN 32 Zone Panel
508.032.707	Precept EN 8 Zone AC Repeater
508.032.708	Precept EN 16 Zone AC Repeater
508.032.709	Precept EN 32 Zone AC Repeater
508.032.710	Precept EN 8 Zone DC Repeater
508.032.711	Precept EN 16 Zone DC Repeater
508.032.712	Precept EN 32 Zone DC Repeater

Prescient III
Gas Extinguishing Control Panel



General Features

- Approval to BS EN 12094-1:2003 + CPD.
- Approval to BS EN 54-2 and 4.
- Monitored inputs for gas discharged, gas low, isolation valve closed/abnormal, gas trapped in manifold.
- Control inputs for auto/manual, gas hold, gas abort.
- 1 minute actuator cut off option.
- Monitored actuator/solenoid release.
- Common fire, fault, relay / monitored output facilities.
- 1st stage, 2nd stage, 3rd stage and gas discharged relay / monitored output facilities.
- Reset relay facilities.
- Single or double knock operation.
- Pre-discharge delay adjustable from 0 to 60 seconds with visible countdown timer.
- Discharged indication with or without pressure switch.
- Inhibit silence alarms until gas discharged.
- Option for rapid buzzer pulse when gas imminent.
- One man zone and sounder test General Features.

Product Order Codes

508.033.751 Prescient III Gas Extinguishing Control Panel

Gas Extinguishing Status Units

General Features - SLU1

- Two core data link between panel and status unit.
- Two core power connection between panel and status unit.
- Indication of events/status only unit.



General Features - SLU2

- Two core data link between panel and status unit.
- Two core power connection between panel and status unit.
- Indication of events/status.
- Manual Release.
- Auto/Manual Keyswitch.



General Features - SLU3

- Two core data link between panel and status unit.
- Two core power connection between panel and status unit.
- Indication of events/status.
- Manual Release.
- Auto/Manual Keyswitch.
- Countdown timer.
- Abort and hold off switch.



Product Order Codes

508.033.752	Status Lamp Unit Indication Only (SLU 1).
508.033.753	Status Lamp Unit with Indication, Manual Release and Auto/Man Switch (SLU 2).
508.033.754	Status Lamp Unit with Indication, Manual Release, Abort, Timer Hold and Auto/Man Switch (SLU 3).
508.033.755	Status Lamp Unit with Indication and Auto/Man Switch - Weatherproof (SLU 4).

600 Series Conventional Detectors

General Features

- Unique early detection enhanced CO fire detector.
- Intelligent universal HPO smoke detector.
- Low profile, discreet and unobtrusive.
- Superior performance and reliability.
- Designed for fast, easy installation.
- Integral and remote alarm LED.
- Series of product approvals.

Detector Identification



Optical Smoke Detector - A detector ideal for use with slow burning or smouldering fires.

516.600.001.B 601P Optical Smoke Detector



High Performance Optical Detector - A combined Smoke and Heat Detector ideal for use with slow smouldering fires or open flaming fires.

516.600.002.B B601PH High Performance Optical Detector



Heat Detector - A combined fixed and rate of rise heat detector ideal for use where smoke detectors cannot be situated.

516.600.003.B 601H-R Heat Detector - Rate of Rise
516.600.013.B 601H-F Heat Detector - Fix temperature



Enhanced Carbon Monoxide Detector - A detector that provides very early warning for slow smouldering fires ideal for sleeping risks.

516.600.004.B 601CH Enhanced Carbon Monoxide Detector



Solar Blind Infra Red Flame Detector - A detector that is ideal for protecting large open areas without sacrificing speed of response to flaming fires.

516.600.006 601F Solar Blind Infra Red Flame Detector

Conventional Detector Ancillaries

Standard Bases



General Features

- Aesthetically discreet.
- Superior performance and reliability.
- Designed for rapid installation.
- Remote LED connection.

Product Order Codes

517.050.041	4B Detector Base
517.050.045	4B-D Conventional Diode Base

Standard Sounder Bases and Relay Base



General Features

- Aesthetically discreet.
- Superior performance and reliability.
- Adjustable Volume Control.
- Selectable Tones.
- Extra Low Current option.
- Optional Sounder cap for standalone use.
- Relay Base for local control.

Product Order Codes

577.001.035	601SB Conventional Sounder Base
577.001.037	601SBD Conventional Diode Sounder Base
2601095	Squashni Micro Two Wire Base Sounder
557.001.040.Y	Sounder Base White Cap
568.001.018	MC600 Relay Base

Standard Sounder Beacon Bases



General Features

- Aesthetically discreet.
- Superior performance and reliability.
- For use where disabled requirements apply.
- Available for Standard Conventional and Two Wire Panels.

Product Order Codes

576.501.250	Squashni G3/AV Sounder/Beacon Base
2601097	Squashni G3/AV Two Wire Sounder/ Beacon Base

Ceiling Tile Adapter Kit



Product Description

The Time Saver Ceiling Tile Adaptor is used with the 4B 4” detector base snap fit base and consists of three parts, a bezel and clamp that are fitted to the ceiling tile and a back-box that carries the detector and base assembly.

The Ceiling Tile Adaptor requires a 127mm diameter hole to be cut into the ceiling tile to allow an easy fit and flawless finish.

Product Order Codes

517.050.060	Ceiling Tile Adaptor Kit (consists of 1 x 517.050.056 and 1 x 517.050.057)
517.050.056	**CTA-BB** CTA Back Box
517.050.057	**CTA-BC** CTA Bezel and Clamp
517.050.058	**CTA-AP** CTA Adaptor Plate

Conventional Manual Call Points and Ancillaries

General Features

- Surface or Flush Mounting.
- Test key facility, speeds maintenance visits.
- Optional transparent hinged cover.
- Hazardous area models available.
- IP67 Waterproof models for external applications.

Product Order Codes



2501012	Conventional Manual Call Point with Glass Element (No Back Box)
2501013	Conventional Manual Call Point with Glass Element (With Back Box)
2501233	Conventional Manual Call Point with Plastic Element (No Back Box)
2501234	Conventional Manual Call Point with Plastic Element (With Back Box)



2501176	Conventional Weatherproof Manual Call Point



2501014	Spare Glasses for Manual Call Point (Pack of 5)
2501101	Manual Call Point Plastic Hinged Cover
2501040	Spare Manual Call Point Keys (Pack of 10)

Conventional Sounders and Beacons

General Features

- High sound output characteristics.
- Low current consumption.
- Easy to install, low installation costs.
- Weatherproof units for outdoor use.



Product Order Codes

2601012	6” Electronic Bell
2601015	6” Electronic Weatherproof Bell
2601016	8” Electronic Weatherproof Bell

General Features

- Wide range of electronic sounders.
- High sound output characteristics.
- Low current consumption.
- Clean lines, modern styling.
- Easy to install, low installation costs.
- Weatherproof units for outdoor use.



Product Order Codes

2601009	Roshni Electronic Sounder
2601011	Banshee Warbler
2601092	Symphoni Two Wire Wall Mount Sounder Red

General Features

- Wide range of electronic sounder/beacons.
- High sound output characteristics.
- Low current consumption.
- Clean lines, modern styling.
- Easy to install, low installation costs.
- Weatherproof units for outdoor use.



Product Order Codes

2601044	Flashni Electronic Sounder/Beacon
2601054	Vantage Electronic Sounder/Beacon
2501043	Xenon Flashing Beacon



Door Release Units

General Features

- Essential piece of fire protection equipment for most installations.
- Various styles and mounting methods available, including plastic, chrome and brass.
- Integrated release button as standard.
- Both 24Vdc and 230Vac low cost units available.



Product Order Codes

2501033	24Vdc White Plastic Door Holder
2501034	230Vac White Plastic Door Holder

Remote Indicator

General Features

- Provides local indication of device in alarm.
- Commonly used when line of sight is not available to the detector.
- Clean and discreet finish used to reduce the fire search time.



Product Order Codes

2500226	Square Remote Indicator
2500227	Round Remote Indicator



FireClass Addressable Range



FireClass Addressable Range

A new class of Fire Detection



Comprehensive Addressable Range

The FireClass Addressable range of panels offer the customer a range from a 1 loop panel up to a 4 loop panel with up to 250 addresses per loop, from 32 to 240 zones per panel and up to 7 fully functional repeaters per panel with 24 panels networked together. FireClass also offers a full range of low false alarm multi sensor detectors and an extensive array of field devices.

Fully Approved

In order to ensure peace of mind for both the installer and end user, FireClass products are third party approved and certified to relevant European standards. FireClass approvals go beyond the minimum requirements including EN54 approval of the FireClass network, EN54 detector approval in all detection modes.

Open Protocol Provides Freedom of Choice

FireClass provides an open protocol solution widely available throughout the market via trade and distribution specialists ensuring freedom of choice for installers and end users. Easy to use programming software is available to installers and end users, with the majority of service functions available through the panel user controls. Device configuration and text changes now also available through the panel user controls.

Digital Open Protocol

Developed originally for the harsh marine environment FireClass uses a robust digital protocol that has been proven to withstand poor, damp and damaged cables for over 20 years.

The resilient digital protocol works on most existing cables and allows for flexible installations when T's are required. The loop can be made from spurs for a simple upgrade of conventional systems and allows up to 250 addresses per loop with 500mA for broad applications.

Resistance to False Alarm

The range includes a high quality Optical smoke detector together with various multi sensor devices. The ultimate in false alarm resilience is provided by the triple sensing detector, combining optical, heat and carbon monoxide sensing technologies. Day/Night detection modes also allow for false alarm reduction when the building is occupied.



FireClass Addressable Range



FireClass Lite

- Low cost entry level digital panel.
- Auto learn and auto configuration technology.
- Full out of the box functionalilty.
- Versatile easy to install addressable alternative to conventional.



FireClass 32, 64 and 240

- Digital addressable panels offering 32, 64 or 240 zones.
- Up to 1000 devices per panel.
- Dedicated EN54 approved network.
- Up to 24000 devices per network.



FireClass Graphics

- Graphical emergency management system.
- True client/server system, allowing several workstations to operate over a TCP/IP network from a single database.



FireClass FC460 Detection

- Provides the best in class environmental and detection performance with the capability of detecting all fire types.
- Range includes an Optical/Heat Multisensor and Optical/Heat/CO triple multi sensor.
- Automatic self testing of each sensor element.
- 360 Degree alarm, fault and isolated LED on each detector.
- Six EN54 approved modes for the Optical/Heat multi sensor.
- Optical/heat multi sensor can use different modes in day/night settings.
- All optical modes have three EN54 approved sensitivities.
- Lower lifetime cost offering an extended service life.



Detector Bases and Accessories

- Range of standard bases, isolator bases, sounder bases and sounder/ beacon bases.
- Addressable functional bases can be programmed via a download to adjust volume, tone selection and flash rate complemented by the time saver ceiling adaptor allowing fast and easy installation.



Call Points

- The most recognisable indoor and outdoor callpoint.
- Supplied with or without back box for easy installation.
- Number of accessories available.



Addressable Modules

- Wide range of input, output and multi function modules to suit all applications.
- Universal detector module to connect two conventional circuits with detector removal monitoring and call point discrimination.
- Self powered high voltage relay that can switch mains voltage directly from a module of the FireClass loop.
- A choice of quad input/output modules designed for a variety of interfacing applications.



Sounders and beacons

- Comprehsive range of sounders and beacons.
- Wide selection of sounds to match new and existing applications.
- Sounder and Beacon elements operated separately by the FireClass panel to facilitate most evacuation strategies.
- Volume, tone and flash rate can be configured by software individually or globally.

FireClass Lite One Loop Addressable Panel



General Features

- Up to 125 addresses available on panel.
- 640 character display.
- Permanently displays system status.
- Displays temperature, CO level and smoke level at point in alarm.
- 3000 event log.
- Manual and Automatic walk test and reporting functions.
- Automatic battery test.
- Detector service functions.
- Front panel controls enabling text and configuration changes.

Product Order Codes

557.200.709 FireClass Lite
1 Single Loop 32 zone panel

FireClass 32 One Loop Addressable Panel



General Features

- Up to 250 addresses available on panel.
- 640 character display.
- Permanently displays system status.
- Displays temperature, CO level and smoke level at point in alarm.
- 3000 event log.
- Manual and Automatic walk test and reporting functions.
- Automatic battery test.
- Detector service functions.
- Front panel controls enabling text and configuration changes.
- Up to 24 panels networkable.
- Choice of up to 5 fully functional Repeaters with a maximum of 7 per panel.

Product Order Codes

557.200.701 FireClass 32
1 Single Loop 32 zone panel

557.200.706 FireClass 32RA
Repeater panel 32 zone 230Vac

557.202.080 **TLI800EN** Network Interface Card

FireClass 64 Two or Four Loop Addressable Panel



General Features

- Up to 1000 addresses available on panel.
- 640 character display.
- Permanently displays system status.
- Displays temperature, CO level and smoke level at point in alarm.
- 3000 event log.
- Manual and Automatic walk test and reporting functions.
- Automatic battery test.
- Detector service functions.
- Front panel controls enabling text and configuration changes.
- Up to 24 panels networkable.
- Choice of up to 5 fully functional Repeaters with a maximum of 7 per panel.

Product Order Codes

557.200.702	FireClass 64 2 Two Loop 64 zone panel
557.200.703	FireClass 64 4 Four Loop 64 zone panel
557.202.080	**TLI800EN** Network Interface Card
557.200.707	FireClass 64RA Repeater panel 64 zone 230Vac
557.200.710	FireClass 64RD Repeater panel 64 zone 24Vdc

FireClass 240 Two or Four Loop Addressable Panel



General Features

- Up to 1000 addresses available on panel.
- 640 character display.
- Permanently displays system status.
- Displays temperature, CO level and smoke level at point in alarm.
- 3000 event log.
- Manual and Automatic walk test and reporting functions.
- Automatic battery test.
- Detector service functions.
- Front panel controls enabling text and configuration changes.
- Up to 24 panels networkable.
- Choice of up to 5 fully functional Repeaters with a maximum of 7 per panel.

Product Order Codes

557.200.704 FireClass 240
2 Two Loop 240 zone panel
No Zonal LED Display

557.200.705 FireClass 240
4 Four Loop 240 zone panel
No Zonal LED Display

557.202.080 **TLI800EN** Network Interface Card

557.200.708 FireClass 240RA Repeater panel
230Vac
No Zonal LED Display

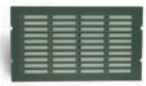
557.200.711 FireClass 240RD Repeater Panel
24Vdc No Zonal LED Display

FireClass Panel Expansion



XLM800

The XLM800 Loop Expansion module is used to provide an additional two loops for the FireClass 64 and FireClass 240 addressable control panels, enabling the panels to support a maximum of 4 loops, each with up to 250 addresses. These units are fitted as standard to the FireClass 64-4 and FireClass 240-4 panels.

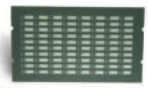


ANN840

The ANN840 LED annunciation module, provides 40 dual LED indications (red/yellow) that can be programmed to signal alarm and fault states.

A slide in/out legend allows the user to customise the indicator labels.

The ANN840 can be driven from either the control panel or from the remote bus.



ANN880

The ANN880 LED annunication module, provides 80 red LED indications that can be programmed to signal various states.

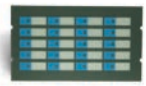
The ANN880 can be driven from either the control panel or from the remote bus.



IOB800

The IOB800 input/output expanion module is an LPCB approved board that provides 8 opto isolated digital inputs and 8 x 24Vdc relay outputs for providing I/O expansion capabilties to the FireClass control panels for interfacing to other fire protection systems and signalling devices.

The IOB800 can be driven from either the control panel or from the remote bus.



COM820

The COM820 status command module, provides 20 programmable inputs and 20 programmable outputs.

Each function includes a command button and yellow status LED with removable legends.

The functionality is programmed in the FireClass control panel with the typical applications being:

- Manual/off/auto/isolate functions for evacuation or plant control.
- Selective isolate and evacuate functions for firemans' control.
- Selective plant shutdown and override functions.
- Selective system delay and timer functions.

The COM820 can be driven from either the control panel or from the remote bus.



FB800

The FB800 fuse board, provides terminations for 15 fused 500mA 24Vdc output spurs from a single 24Vdc input.



PRN800

The PRN800 Printer Kit is designed for use with the FireClass addressable range of control panels and is fitted to the front door of the ANC ancillary housing units.

FireClass 460 Addressable Detectors



The FC460 series are addressable multi-sensor fire, smoke and heat detectors, which can be implemented as several modes and sensitivities by the FireClass control panels. The FC460 series are designed and approved to EN54.

The FC460 series detectors provide the latest fire detection technology in an attractive cost effective package. The FC460 series detectors are supplied in an extremely robust and reliable fully sealed construction, which has undergone stringent environmental testing. Electrical contacts are moulded into the plastic to eliminate any movement.

Detection Modes

The FC460 range of detectors use the FireClass digital protocol to provide robust and reliable communications to the control panel. A wide range of cable types can be used and the open topology capability of the system makes it ideal for the upgrade of older systems whilst reusing the cables to reduce cost.

Whilst the optical detector can be set to three different sensitivities and the heat detector programmed in one of three different detection modes, the photo/heat multisensor has available a total of 14 approved modes/ sensitivities. The photo/heat multisensor can also, simultaneously operate as two independently addressed detectors using different modes of operation.

For sleeping risk applications the FC460PC triple multisensor will rapidly detect across the widest range of fire types including very slow smouldering fires typical of soft furnishings. By selecting resilient mode the FC460PC triple multisensor provides early detection with unrivalled levels of false alarm rejection, ideal for hotel applications.

Installation Features

- Standard bases with multiple mounting options simplify installation.
- Unique ‘park’ position for commissioning and service procedures.
- Detector addressing programmed from the Service tool or FireClass control panels.
- Address flag—fixed to the base to prevent mix ups during service.
- Full range of remote installation and service tools.
- Dirty detector read-out can be viewed on the service tool or panel.

FireClass FC460 Addressable Detectors

General Features



- Multiple fire detection modes.
- FireClass digital detection algorithms.
- CO fire detection technology.
- Up to 250 detectors per loop (dependant on panel choice).
- Optional bi-directional line isolation.
- Remote detector verification & temperature read out.
- Highly featured service tool.
- Programmable alarm LED with 360º viewing angle.
- Fire, isolated and fault LED indication.
- Optional detector locking pin.
- Variety of sounder bases.
- Protected optical chamber screen.
- Robust coated electronics.
- Extended Service Life.
- EN54 and CPD approved.

FC460PH

With its ability to detect a wide range of fires, from flaming to smouldering types, the combined optical and heat multi-sensor detector is the preferred choice for a range of applications including light industrial, retail and office environments. It operates in a number of approved modes and sensitivities that can be dynamically selected to suit different environmental conditions.

FC460P

More benign environment where any potential fire will be slow burning can be protected using the optical detector. A choice of sensitivities gives this detector a broad range of applications.

FC460H

Complimenting the range is the heat sensor which can operate in fixed temperature and rate-of-rise modes. It is most often used in areas where high levels of dust are present or where the environment precludes the use of smoke detectors.

FC460PC

For life protection and when the environmental conditions are challenging, the multisensor smoke, heat and CO detector provides the ultimate in detector performance. It uses the three sensor elements in concert to accurately determine the presence of fire with false alarm rejection properties that make it the ideal choice for hotel bedrooms where steam from bathrooms is a common source of false alarms.

Product Order Codes

516.460.501	FC460PH Combined Optical and Heat Detector
516.460.502	FC460P Optical Detector
516.460.503	FC460H Heat Detector
516.460.504	FC460PC Multi-Sensor Smoke, Heat and Carbon Monoxide Detector

Addressable Detector Ancillaries

General Features

- Optional conduit entry backboxes.
- Aesthetically discreet.
- Superior performance and reliability.
- Designed for rapid installation.
- Remote LED connection.
- Optional short circuit isolator in each base.
- Loop powered sounder bases.

Product Order Codes



517.050.041	4B 4” Detector Base
517.050.043	4B-I 4” Isolator Base



516.800.710	FC430SB Sounder Base
516.800.757	FC430LPSB Loop Powered Sounder Base



516.800.758	FC430LPASB Loop Powered Sounder/ Beacon Base

Ceiling Tile Adapter Kit

Product Description



The Time Saver Ceiling Tile Adaptor is used with the 4B 4” detector base snap fit base and consists of three parts, a bezel and clamp that are fitted to the ceiling tile and a back-box that carries the detector and base assembly.

The Ceiling Tile Adaptor requires a 127mm diameter hole to be cut into the ceiling tile to allow an easy fit and flawless finish.

Product Order Codes

517.050.060	Ceiling Tile Adaptor Kit (consists of 1 x 517.050.056 and 1 x 517.050.057)
517.050.056	**CTA-BB** CTA Back Box
517.050.057	**CTA-BC** CTA Bezel and Clamp
517.050.058	**CTA-AP** CTA Adaptor Plate

Addresable Call Points and Ancillaries

General Features

- Integral LED indicator for easy identification of operation.
- Surface or Flush Mounting.
- Test key facility, speeds maintenance visits.
- Optional transparent hinged cover.
- Hazardous area models available.
- IP67 Waterproof models for external applications.

Product Order Codes



514.800.803 FC420CP FireClass Addressable Manual Call Point



514.800.804 FC421CP FireClass Addressable Weatherproof Manual Call Point



2501014 Spare Glasses for Manual Call Point (Pack of 5)
2501101 Manual Call Point Plastic Hinged Cover
2501040 Spare Manual Call Point Keys (Pack of 10)

Addressable Sounders

General Features

- Loop powered-reduced installation costs.
- High sound output characteristics.
- Low current consumption.
- Clean lines, modern styling.
- Easy to install, low installation costs.
- Weatherproof units for outdoor use.
- Multiple tones and flash rate to suit individual requirements.
- Integral line isolator.

Sounder Volume and Tone Control

FireClass addressable sounders provide a choice of 16 EN53 approved tones with selections to match the non-addressable sounders in the FireClass range. Tone, volume and beacon flash rates are set in software which means that either individual, zonal or global changes can be made with a single panel configuration download.

Product Order Codes



516.800.760 FC410LPSYR Loop Powered Symphoni Sounder Red



516.800.761 FC410LPSYW Loop Powered Symphoni Sounder White



516.800.762 FC410LPSY Loop Powered Symphoni Sounder Red IP65



516.800.763 FC410LPAVR Loop Powered Symphoni Sounder/Beacon Red



516.800.764 FC410LPAVW Loop Powered Symphoni Sounder/Beacon White



516.800.766 FC410LPAV Loop Powered Symphoni Sounder/Beacon Red IP65

Addressable Ancillary Modules

Input Modules



555.800.701	FC410MIM	Mini Contact module providing one normally open or normally closed input. Designed to be small enough to mount inside the equipment housing being monitored.



555.800.702	FC410CIM	Contact Input module providing two normally open or normally closed inputs.



555.800.706	FC410DDM	Universal interface unit allowing connection of up to two conventional detection zones with detector removal and callpoint discrimination. Loop powered or 24Vdc.



555.800.712	FC410DIM	Conventional Zone monitor interface providing a connection of one detection circuit, requires a separate 24Vdc supply.



555.800.766	FC410BDM	Beam detector interface enabling a conventional beam detector to be powered and monitored by the FireClass loop.

Output Modules



568.800.703	FC410RIM	Relay interface module providing one volt free relay contact.
577.800.705	FC410SNM	Sounder circuit controller allowing connection of external sounders or up to 2A @ 24Vdc or to provide a monitored output contact.



577.001.023	SB520	Allows the FC410SNM to power circuits up to 15A @ 24Vdc.
568.800.004	HVR800	High Voltage Relay unit allowing for low current mains rated switching of up to 10A @ 250Vac.

Multi-Function Modules



555.800.763	FC410SIO	Interface with single monitored input and single volt free change over relay contact.



555.800.765	FC410MIO	Interface with three monitored inputs and two volt free change over relay contacts.



555.800.770	FC410QMO	Quad monitor output unit provides four monitored output circuits suitable for 24Vdc conventional sounders.

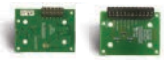


555.800.771	FC410QIO	Quad input/output unit provides four monitored inputs and four relay outputs.



555.800.773	FC410QRM	Quad relay module provide four relay outputs.

Other Modules/Accessories



545.800.704	FC410LI	Loop fault line isolation interface unit.
555.800.067	BTM800	Interface module which allows the FC410BDM to be sited away from the beam detector but still easily connected.



517.035.007	FC470CV	Ancillary cover for use with modules.
547.004.002		DIN rail mounting bracket enabling a module mounted to the FC470CV to be DIN rail mounted.



557.201.303		DIN rail mounting kit for FC410MIO.
557.201.401	FCD800	IP65 Ancillary module housing.

Addressable Service Tool and Accessories



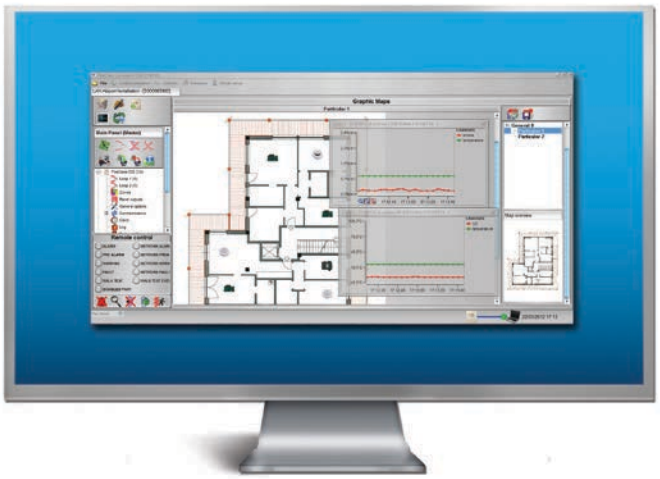
General Features

- Read/Write the detector/ancillary address.
- Display temperature/CO levels and smoke obscuration.
- Programming of the LED.
- Testing the detector remote LED and control outputs.
- Perform the detector self verification test function.
- Display detector contamination level.
- Controlling ancillary outputs.
- Reading ancillary status.
- Power management options.

Product Order Codes

516.460.490	Handheld Service and Programming Tool
516.800.922	Spare ancillary programming lead
516.800.924	Pack of Spare Pins (Pack of 10)
516.800.923	FC Service accessory kit (Plastic case complete with shoulder strap and car ancillary power)
557.202.118	FireClass Panel Download Lead

FCG - FireClass Graphical Fire Alarm Manager



Overview

FireClass Graphics is a new client/server emergency management system and fire detection graphical user interface.

FireClass Graphics is a windows based graphical interface with a high resolution colour display and provides annunciation, status display incorporating the latest fireclass technology fire detection systems.

Utilising a combination of symbols, floor plans, pictures and text maps the precise location of all events are easily viewed by the user.

General Features

- Real time visualization of control panel, loop and zone status etc.
- Multilevel map based on a tree structure.
- Access device data from any pages of the map.
- Supports all standard PC image file types (i.e. GIF, JPG, BMP), autoCAD & vector file types.

Product Order Codes

557.202.721	FCG-001	FireClass Graphics Single Panel Software
557.202.722	FCG-002	FireClass Graphics 1 - 4 Panel Software c/w TLI800EN Network Card and Power Supply Unit
557.202.723	FCG-003	FireClass Graphics 1 - 10 Panel Software c/w TLI800EN Network Card and Power Supply Unit
557.202.724	FCG-004	FireClass Graphics 1 - 24 Panel Software c/w TLI800EN Network Card and Power Supply Unit
557.202.725	FCG-005	FireClass Graphics Additional Software Licenses
557.202.080	TLI800EN	Network Interface Card

Air Sampling Unit



Overview

The ICAM Air Sampling Smoke Detection System provides a flexible solution to meet the unique needs of numerous applications including industrial spaces such as cable tunnels, tamper proof and unobtrusive requirements for special accommodation, or can simply be used to replace detectors in office environments.

The ICAM system actively draws air from the protected area through sampling holes in a pipe network. Sampled air is then filtered before being analyzed by up to two FC460 Series detectors.

The ICAM system is available in two configurations:

IAS460 twin inlet pipe configuration, which can be fitted with two detectors for monitoring one or two pipe runs.

IAS461 single inlet pipe configuration, which can be fitted with one detector.

The system utilises a high performance aspirator and software configurable flow monitoring circuitry. The air flow level is displayed on a ten element bar graph that can be adjusted for high and low flow thresholds, and flow failure is reported as a device fault.

General Features

- Ideal for areas where access is restricted, harsh environments and areas where a point detector would be damaged.
- Powerful Fan.
- Up to two 100m pipe runs available.
- Pipes can be individually monitored for air flow with LED bar graph.
- FireClass loop and 24Vdc connections.
- Fault monitored via the FireClass loop.
- IP65 enclosure.
- Field serviceable air filters.
- Uses standard 25mm VESDA pipe and fittings.

Product Order Codes

516.016.402	ICAM IAS460 Aspirated Smoke Dual Detector common fault monitor
516.016.401	ICAM IAS461 Aspirated Smoke Single Detector common fault monitor
516.016.303	ICAM Course Filter (Per Pack of 10)

Air Sampling Accessories



516.018.901 Pipe 25mm Diameter
VESDA aspirating pipes, printed along its length on opposite sides at 450mm intervals. 3 m length pipes. Order in multiples of 10 lengths.



516.018.902 Socket 25mm
Straight socket for 25mm pipe. Order in multiples of 10.



516.018.903 Socket Union 25mm
Socket union to facilitate servicing of pipework. Order in multiples of 1.



516.018.904 Bend 25mm
90 degree Long Radius bend. Order in multiples of 5.



516.018.905 Elbow 25mm
45 deg elbow. Order in multiples of 5.



516.018.906 End Cap 25mm
End cap 25mm. Order in multiples of 5.



516.018.907 Equal Tee 25mm
Equal Tee 25mm. Order in multiples of 5.



516.018.908 Pipe Clip 25mm
Pipe Clip 25mm. Order in multiples of 10.



516.018.909 Socket Adaptor 25mm to 3/4”
Socket adaptor, imperial to metric, to extend existing systems. Order in multiples of 5.



516.018.910 Solvent Cement (0.25 L Tin)
Solvent cement.



516.018.911 Capillary Tube Conical Sample Point Assembly
Capillary Tube Conical Sample Point Assembly. 25mm socket adaptor + 2m capillary tube (tube colour - red).



516.018.912 Capillary Tube Flush Sample Point Assembly
Capillary Tube Conical Sample Point Assembly. 25mm socket adaptor + 2m capillary tube (tube colour - red).



516.018.915 Capillary Tube 10mm
Capillary Tube 10mm 10mm o/d x 30m length (tube colour - red).



517.017.005 Sampling Point Label (1Reel)
Capillary Tube 10mm 10mm o/d x 30m length (tube colour - red).



517.017.006 Pipe Label (1 Reel)
Pipe Label. Order in multiples of 100.

Beam Detection



General Features

- Motorised Auto Aligning.
- Up to 4 detectors per system controller.
- Each detector configurable from 8m to 100m.
- Integral laser.
- Auto align fast automatic beam alignment.
- Auto optimise building movement and contamination compensation.
- Low level system controller.
- Two wire interface from system controller to detector.
- Worldwide approvals including EN54:12 and UL268.

Product Order Codes

516.015.020	FireRay 5000 System (50M)
516.015.021	FireRay 5000 Detector Head (50M)
516.015.007	FireRay Reflector 100 x 100mm (4 reflectors are required for distances from 50 to 100M)
5000-005	Universal Mounting Bracket
5000-006	Flat Mounting Plate for 1 to 4 Prisms
5000-007	Prism Mounting Plate for 4 Prisms
5000-008	Prism Mounting Plate for 1 Prism

Power Supply Units and Batteries







General Features

- Robust metal housing.
- Twin fused outputs.
- Temperature compensated charging.
- Deep discharge protection of batteries.
- Fault relay output.
- Comprehensive LED status indication.

Product Order Codes

2602011	12 Volt 1.2 Ampere Battery Set
2602001	12 Volt 2.1 Ampere Battery Set
2602003	12 Volt 3 Ampere Battery Set
2602012	12 Volt 4.5 Ampere Battery Set
2602004	12 Volt 7 Ampere Battery Set
2602005	12 Volt 12 Ampere Battery Set
2602006	12 Volt 17 Ampere Battery Set
2602007	12 Volt 26 Ampere Battery Set
2602008	12 Volt 38 Ampere Battery Set
2602009	12 Volt 65 Ampere Battery Set
2602010	12 Volt 100 Ampere Battery Set
2602013	6 Volt 10 Ampere Battery Set
557.200.731	1.9A Boxed Power Supply Unit - EN54 / CPD Approval
557.200.732	PSUA17 5A Boxed Power Supply Unit (Will house up to 17Ah batteries) - EN54 / CPD Approval
557.200.733	PSUA38 5A Boxed Power Supply Unit (Will house up to 38Ah batteries) - EN54 / CPD Approval

Installation Accessories

General Features Address Flag



- Provides clear identification of address.
- Colour coded.
- Flag remains on base.

General Features Ancillary Device Address Labels



- Colour coded for easy loop identification.
- Space for Zonal Label.
- Strong adhesive backing.

General Features STOPPER

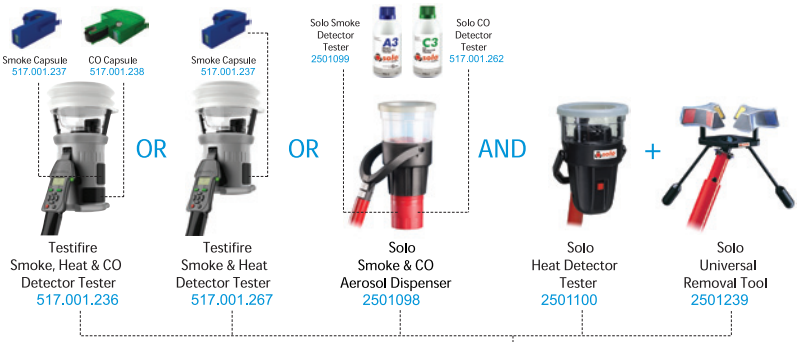


- Provides clear identification of address.
- Prevents accidental operation of callpoints.
- Strong polycarbonate construction.
- Optional break seal kit.
- Larger model design.
- Tamper resistant with inbuilt sounder.
- Weatherproof models.

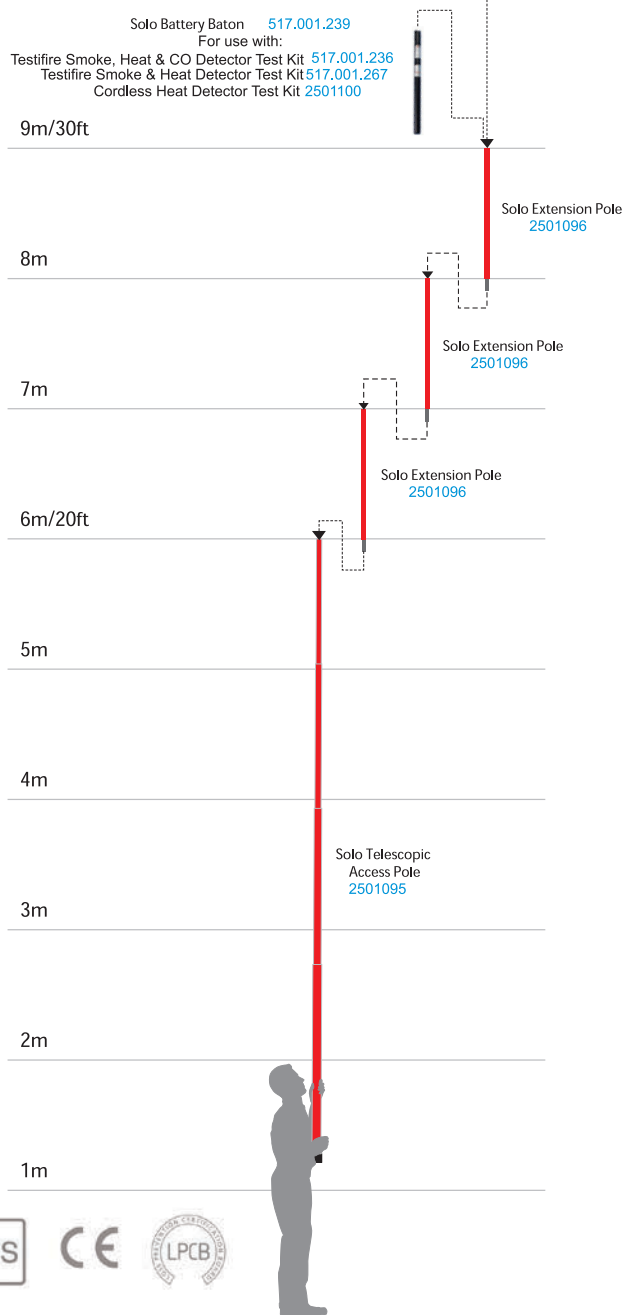
Product Order Codes

516.800.915	Detector addressed flags (Pack of 100)
516.800.931	Address flag, flag labels loop A— White
516.800.932	Address flag, flag labels loop B— Yellow
516.800.933	Address flag, flag labels loop C - Purple
516.800.934	Address flag, flag labels loop D— Green
599.047.030	Address labels 1—250 Loop A— White
599.047.031	Address labels 1—250 Loop B— Yellow
599.047.032	Address labels 1—250 Loop C— Purple
599.047.033	Address labels 1—250 Loop D— Green
599.047.011	Zone labels—Zone 1-16
599.047.012	Zone labels—Zone 17-32
599.047.013	Zone labels—Zone 33-48
599.047.014	Zone labels—Zone 49-64
515.001.029	Standard STOPPER Flush Mount
515.001.030	Standard STOPPER Surface Mount
515.001.031	Standard STOPPER Flush Mount with Sounder
515.001.032	Standard STOPPER Surface Mount with Sounder
515.001.034	STOPPER II Model Surface Mount
515.001.035	STOPPER II Model Surface Mount Weatherproof
515.001.036	STOPPER Model Surface Mount Weatherproof
515.001.033	Break Seal Kit (Pack of 1)

Detector Test Equipment



Solo Battery Baton 517.001.239
For use with:
Testifire Smoke, Heat & CO Detector Test Kit 517.001.236
Testifire Smoke & Heat Detector Test Kit 517.001.267
Cordless Heat Detector Test Kit 2501100



Solo Poles Access Height

Part No.	Access Height (approx. max.)
2501095	6m (20ft)
2501095 + 2501096 (x 1)	7m (23ft)
2501095 + 2501096 (x 2)	8m (26.25ft)
2501095 + 2501096 (x 3)	9m (30ft)



Solo Battery Baton Charger 517.001.243



Solo Carrying Bag 2501097

Notes



For more information about
FireClass fire detection technology visit:
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or contact us at
fireclasssales@tycoint.com

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