MULTIPOINT

FLEXIBLE OPTIONS

FOR RELIABLE

FIRE DETECTION

Fike®

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FIRE DETECTION

Fike's Multipoint detector product line has broken new barriers in fire detection and alarm. Using patented, advanced optical scatter sensor design and sophisticated electronic technology, Fike delivers reliable smoke and/or heat detection … significantly reducing the risk of nuisance fire alarms.

Fike Multipoint detectors provide:

- Flexible options/modes of fire detection
- Optional built-in sounder or sounder/strobe in a single device
- Self-calibration every 6 hours
- Continuous monitoring for dust contamination
- Economical, disposable optical chamber for easy replacement

MODES OF DETECTION

SMOKE 1

Used where ionization detectors are normally fitted, especially when there are high ceilings or a risk of free burning fires (chemical stores etc), or fires that need to be detected extremely quickly.

SMOKE 2

Used where optical detectors are normally fitted, when there is a risk of a smouldering fire and for escape routes.

SMOKE 3

Designed for use in areas that are prone to nuisance alarms. The reduced sensitivity linked with a time delay feature means that a higher concentration of smoke needs to be present for a constant time period before a fire decision is made.

HEAT 1

(Rate-of-Rise) – Used where a standard rate-of-rise detector would normally be used.

HEAT 2

(Standard Fixed Temperature – 58°C / 136°F approximately) – A standard fixed temperature heat detector, suitable for kitchens, etc.

HEAT 3

(High Fixed Temperature – 90°C / 194°F approximately) – High fixed temperature heat detector suitable for boiler rooms, etc.
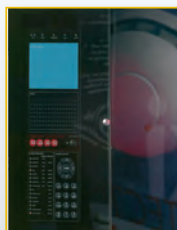
Fike®

SITA INTELLIGENCE

The Multipoint detector technology has been utilized to support Fike's complete line of intelligent fire alarm systems, featuring the Sita intelligence protocol. Multipoint allows these systems to support up to 200 combined detectors/sounders on a single loop for incredible flexibility.

SITA200plus

SITA200plus is a single loop intelligent analog addressable system designed to satisfy the requirements of small to medium size fire systems.

DUONET

Duonet is a 1-2 loop intelligent analog addressable system that has the ability to support up to 400 devices.

QUADNET

Quadnet is a 1-4 loop intelligent analog addressable system that has the ability to support up to 800 devices.

This technology offers a comprehensive cause and effect feature, enabling programming of events such as phased evacuation and alarm confirmation. In addition, a wide range of interfacing inputs and outputs allow a multitude of auxiliary functions at the panel and I/O at each Multipoint device.

- 200 devices per loop
- Multipoint
- Multipoint with sounder
- Soundpoint (mini sounder)
- Bell
- Hipoint (Horn)

- Weatherproof soundpoint
- Callpoint (pull stations)
- Callpoint (pull station with sounder)
- Flashpoint (detector with strobe)
- Built-in isolators
- 15 combinations of smoke and heat detection modes

TWINFLEXplus CONVENTIONAL FIRE ALARM

Using the Multipoint detector as part of the conventional TWINFLEXplus 2-wire fire alarm system gives you a detector AND a sounder – with no extra wiring required. This greatly reduces the number of points to be installed – and the time it takes to install!
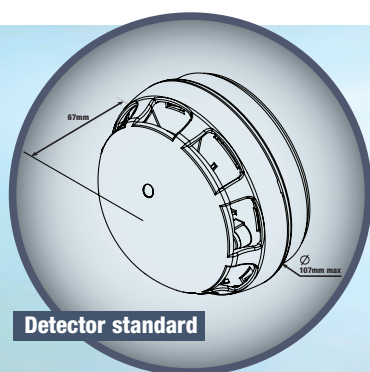
In fact, with the TWINFLEXplus exclusive 2-wire design, installation savings can be as high as 40%!

The TWINFLEXplus Multipoint offers 7 different modes of detection, which means one device can suit multiple applications. Whatever type of detection is required, it can be selected easilyat the time of commissioning.

- Callpoints can be run on the same pair of wires as detectors
- No extra devices needed for audible warning
- Can differentiate between callpoint and detector alarms
- Combined callpoint / sounder available

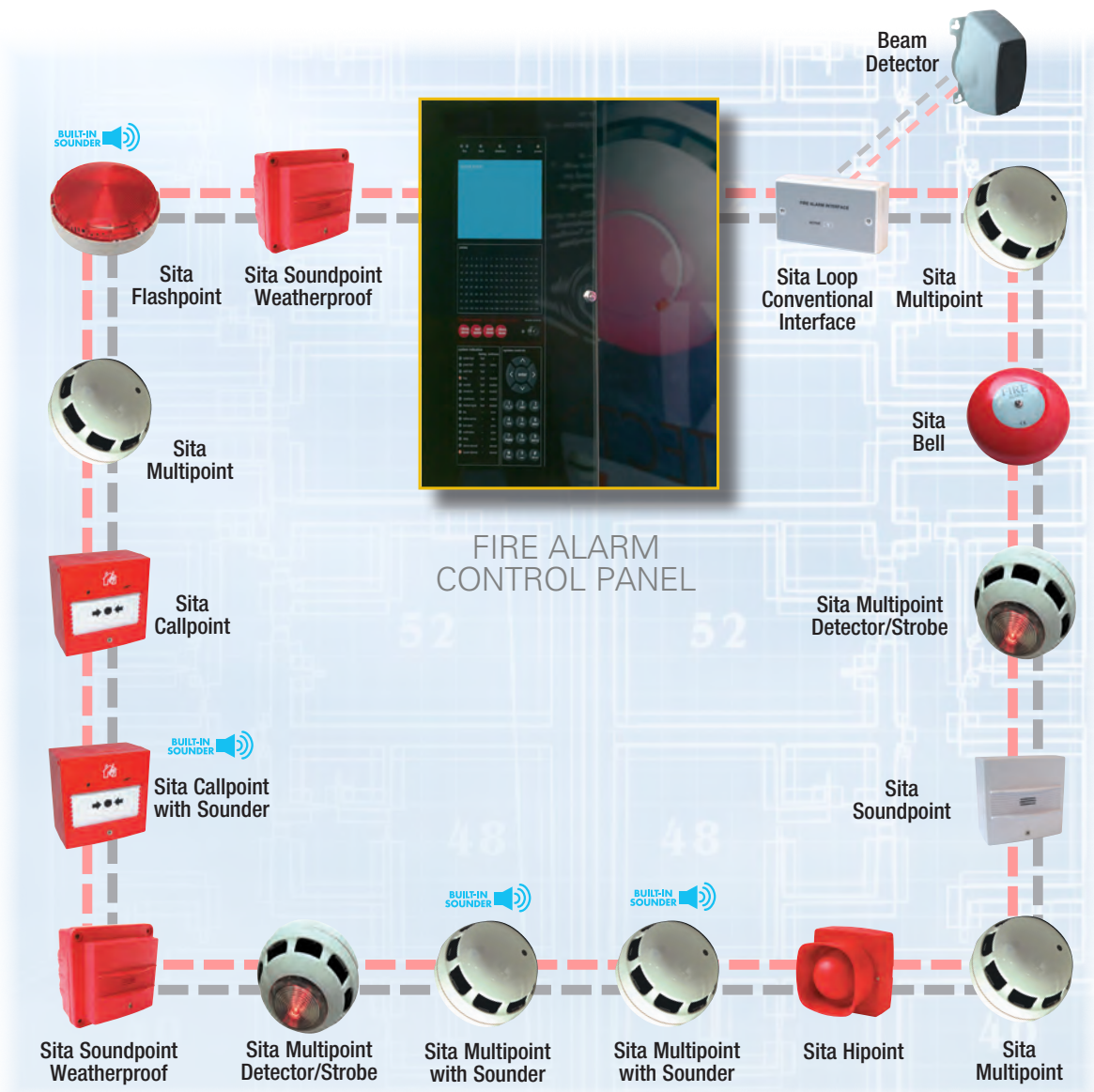|	TWINFLEXplus	SITA200plus
Compatibility	Conventional 2-wire Twinflex protocol	Sita intelligent protocol
Detection settings	7	15
Different sounder patterns	3	7
Sounder output levels	2 (90 or 75 dBA)	3 (92, 85, 75 dBA)
Easy replacement optical chamber	Yes	Yes
Self-calibration	Every 6 hours	Every 6 hours
Built-in EOL switch	Yes	No
Built-in isolator	No	Yes
Available with built-in sounder	Yes	Yes
Available with built-in strobe	Yes	Yes
Devices per SLC	32	200
Available maintenance alert	Yes	Yes
LED alarm/trouble indication	Yes	Yes
Checkpoint alarm verification feature	Yes	Yes
Operating temperature	-10°C to 50°C / 14°F to 122°F	-10°C to 50°C / 14°F to 122°F
Voltage range	18 to 35 VDC	16 to 48 VDC

Detector standard

Detector with strobe

THE RIGHT SYSTEM FOR THE RIGHT JOB

Our intelligent fire alarm system can be programmed to relay information and perform process management tasks. Fike can help you design the ideal fire alarm system for your facility.

Beam Detector

BUILT-IN SOUNDER

Sita Flashpoint

Sita Soundpoint Weatherproof

Sita Loop Conventional Interface

Sita Multipoint

FIRE ALARM CONTROL PANEL

Sita Multipoint

Sita Bell

Sita Callpoint

Sita Multipoint Detector/Strobe

BUILT-IN SOUNDER

Sita Callpoint with Sounder

Sita Soundpoint

BUILT-IN SOUNDER

BUILT-IN SOUNDER

Sita Soundpoint Weatherproof

Sita Multipoint Detector/Strobe

Sita Multipoint with Sounder

Sita Multipoint with Sounder

Sita Hipoint

Sita Multipoint

INSTALLATION AND MAINTENANCE HAVE NEVER BEEN EASIER –

Fike's multipoint detector with microprocessor control, offers the installer a full range of detection capabilities with optional audible and visual warning in one device. Detectors can be matched to the environment in which they are installed for a versatile, attractive mode of detection. And they can be changed or updated at any time using a simple DIL switch in the detector (configurable via commissioning software on addressable systems).

Optical scatter fire detection is a well known versatile technology. However, with this

type of detector, dust, grease, etc. can enter the chamber and settle on the walls causing the scatter level to increase or decrease dependant on the type of contamination. This variation can cause false alarms or can mask the presence of a true alarm condition.

Fike's patented, optical scatter smoke sensor has a secondary chamber that collects the contamination out of site of the emitter and receiver, substantially reducing the incidence of false alarms and improving detection reliability.

MULTIPOINT

FIKE TRADITION

OVER 60 YEARS IN PROTECTING

LIVES AND ASSETS.

OUR COMMITMENT

THE RIGHT SOLUTION THAT

EXCEEDS YOUR EXPECTATIONS.

FIKE GLOBAL MANUFACTURING, SALES AND SERVICE

EUROPE

FIKE SAFETY TECHNOLOGY
Cwmbran, United Kingdom
Tel: +44-0-1633-865558

AMERICAS

FIKE CORPORATION
Blue Springs, MO
USA
Tel: +1-816-229-3405
Email: fpssales@fike.com

**FIKE LATINA LTDA
(MERCOSUR)**
Jundiai, Brazil
Tel: +55-11-4525-5900
Email: vendas@fike.com.br

**CARIBBEAN, CENTRAL,
SOUTH AMERICA (CCSA)**
Houston, TX
Tel: +1-281-895-8342
Email: ccsasales@fike.com

ASIA

FIKE ASIA PACIFIC SDN BHD
Selangor Darul Ehsan, Malaysia
Tel: +60-3-7859-1462
Email: fikeap@fike.com

MIDDLE EAST

FIKE MIDDLE EAST SPC
Kingdom of Bahrain
Tel: +973-1758-3285
Email: sales@fike.com.bh

Fike®

WWW.FIKE.COM