



# A new leader in fire sensing technologies...

## Established Innovator & Market Leader

Texecom is an award-winning manufacturer of quality fire and security systems. With a diverse portfolio of innovative market-leading designs, ranging from high-end insurance approved systems to cost-sensitive domestic installations, Texecom has established a deserved reputation for outstanding quality and reliability.



# ...from the premier security product manufacturer

## Design Philosophy

Each and every Texecom product starts with the same simple design philosophy - to out-perform all other products in its class.

With a passion and a focus on performance, simplicity of operation, style and reliability, product requirements are engineered into leading edge designs, outstanding in both quality and innovation.



## UK Manufacturing For Complete Control

Dedicated to total quality, Texecom's manufacturing facilities are committed to producing products to a level that exceeds customer expectations. With both injection moulding and electronic component assembly, all Texecom products are manufactured in state-of-the-art UK facilities.

A combination of barcode labelling and computerised monitoring provide full traceability with comprehensive data recorded for each individual product. Each component in every unit is 100% tested for total quality.

## Customer Focus

Providing a multi award-winning level of service and training, Texecom delivers a standard of customer care and support unparalleled in the industry.

Featuring dedicated technical support, multilingual international customer services and a range of product training options, a competitive advantage is guaranteed to installers of Texecom products.

## European & International Standards

Texecom's commitment to uncompromising product design has been frequently recognised by the worldwide fire and security industry by achieving numerous product and corporate awards. All Texecom products are designed to comply fully with British, European and International standards for safety and performance and have obtained excellent ratings confirmed by independent test results.

Texecom products are protected by UK and international patents, trademarks and registered design rights. Exodus Reg. Design 2105724.



# Form & function in perfect harmony within the Exodus Series

## A Revolution in Design

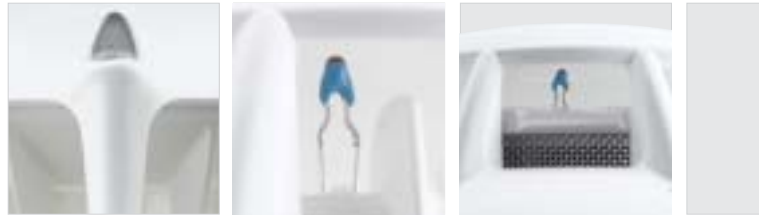
Delivering the very best in detection performance with unparalleled false alarm immunity, the Exodus Series was always destined to be a revolution.

The secret? Beneath subtle curves and discreet styling hides advanced signal processing which is, quite simply, state-of-the-art.



## Range of Detection Technologies

With a range of different detection and alarm criteria, the Exodus Series offers a complete heat and smoke sensing solution for even the most diverse of installations. Featuring a heat enhanced optical multisensor for maximum detection performance plus a selection of heat detectors, all available in both 2 and 4-wire formats, this EN54 BSI Kitemark approved range of detectors offers comprehensive performance.



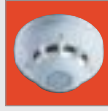
## Perfect Symmetry

Form and function is synonymous with Texecom products of which the Exodus Series is a perfect example. Stylish and sophisticated, each Exodus detector features discreet low profile aesthetics whilst the symmetrical form maximises smoke and heat entry for true 360° detection performance.



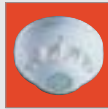
# Exodus Series

...EN54 Approved BSI Kitemark Detectors



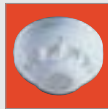
## Exodus OH

Optical & heat multisensor. Heat enhancement ensures high sensitivity to fast burning fires whilst the optical chamber provides exceptional false alarm immunity.



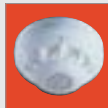
## Exodus RR

Rate of Rise heat detector. Provides fastest heat detection where airborne particles (such as smoke or dust) can be expected.



## Exodus FT64

Fixed 64°C heat detector. Provides superior false alarm immunity in environments where airborne particles can be expected or where sudden heat changes may occur.



## Exodus FT90

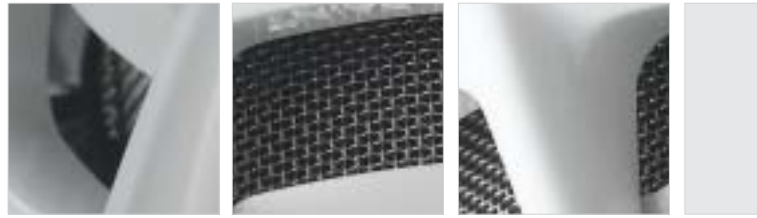
Fixed 90°C heat detector. Suitable for use in high ambient temperatures where airborne particles may be present.

## 2-Wire & 4-Wire Options

Each detector is available in both 2-wire and 4-wire formats. The industry standard 2-wire versions are for use with conventional fire panels. The 4-wire versions contain a built-in relay for use with security control panels.

## Optical Smoke Detection Technology

The Exodus OH Optical and Heat Multisensor provides fast detection of all types of fire, ensuring maximum responsiveness and performance. By combining digital temperature measurement with state-of-the-art optical smoke sensing technology, both slow burning smouldering fires and fast burning flaming fires are detected with equal reliability.



## Superior Optical Design

The Exodus OH features an innovatively integrated optical chamber which maximises the volume of smoke analysed whilst maintaining an unobtrusive and elegant aesthetic design. With a large smoke sample size, Texecom's proprietary digital signal processing algorithms can detect genuine alarms rapidly without compromising false alarm immunity.

## Heat Enhancement For Fast Burning Flaming Fires

"Optical only" smoke detectors respond well to slow burning smouldering fires due to large smoke particles providing a significant increase in optical signal. However, these designs have a slow response to fast burning flaming fires where the smoke particle size is small. By utilising digital thermal technology, the Exodus OH Optical and Heat Multisensor recognises sudden increases in temperature and changes the sensitivity of the optical chamber accordingly. This "heat enhancement" enables the rapid detection of fast burning flaming fires whilst maintaining the excellent false alarm immunity of a superior optical smoke detector.

## Digital Drift Compensation

As with all optical based smoke detectors dust build-up within the optical chamber is inevitable. The Exodus OH features digital drift compensation which adjusts the alarm threshold as the standing level changes, maintaining false alarm immunity and reducing the need for regular cleaning.



## Large Smoke Analysis Chamber

For optical smoke detectors, optical chamber size determines the volume of smoke analysed - with an increased chamber size the volume of smoke analysed increases which improves overall detector reliability. The Exodus OH has a disproportionately large optical chamber compared to the overall detector size, maximising detector performance whilst maintaining an unobtrusive and elegant aesthetic design.

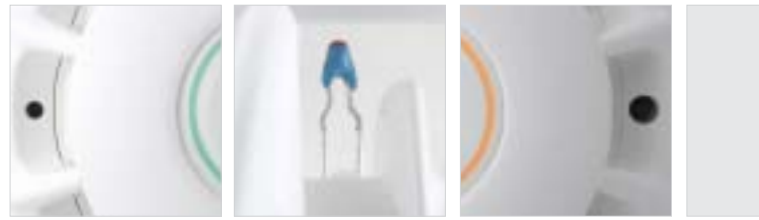
## Smoke & Heat Entry

Specifically designed to maximise airflow into the unit, the 10-veined outer cover design actively separates hot air and smoke particles for greater measurement accuracy and responsiveness.



## Heat Only Alternatives

Where environmental conditions make the use of an optical and heat multisensor unsuitable, the Exodus Series of heat detectors provide a range of rate of rise and fixed temperature solutions. Each featuring state-of-the-art digital microprocessor technology and fully complying with EN54-5, a choice of detection criteria ensures the optimum balance between detection rate and false alarm immunity for any specific installation.



## Chamber & Thermistor Test Button

Each Exodus detector incorporates a test button.

Pressing this causes the unit to perform a full functional test which confirms that the digital microprocessor, thermistor and optical chamber (where appropriate) are functioning correctly.



## Locking Screw

All Exodus detectors contain a discreet hexagonal locking screw which may be used to lock the detector head to the ceiling ring.



# BSI Kitemark Approval

Texecom has successfully underlined the quality and safety of the Exodus Series by becoming the first company in the world to be awarded the prestigious BSI Kitemark for EN54-5 & EN54-7 certified detectors.

The Kitemark has been established as the leading certification mark in the UK for over 100 years and provides specifiers and consumers alike with confidence in the quality of the product and reassurance that the product is fit for the purpose for which it is intended. The Kitemark is the ultimate sign of quality and safety.

As the first manufacturer to design EN 54 Kitemark detectors for commercial fire alarm system applications, Texecom has ensured that the Exodus Series is at the forefront of fire detection performance and reliability.



# Exodus Series Selection Guide & Technical Specifications

## Selection Guide

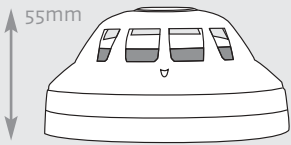
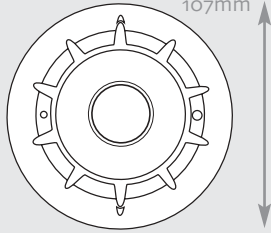
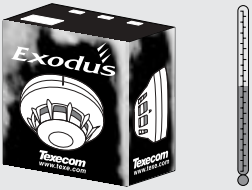

Exodus OH Optical & Heat Multisensor	Detects	Smouldering fires & fast flaming fires
	Suitable For	Fastest detection for wide range of fires.
	Unsuitable For	Environments with airborne contamination (smoke, dust, steam)
	Label Colour	Blue
Exodus RR Rate of Rise Heat Detector	Detects	Rapid temperature increases or temperatures above 58°C
	Suitable For	Fast fire detection where normal temperatures do not exceed 38°C
	Unsuitable For	Environments where the temperature may change rapidly
	Label Colour	Green
Exodus FT64 64°C Fixed Temperature Heat Detector	Detects	Temperatures above 64°C
	Suitable For	Fire detection where rapid temperature changes occur
	Unsuitable For	Fast detection of slow burning fires or where normal temperatures exceed 44°C
	Label Colour	Orange
Exodus FT90 90°C Fixed Temperature Heat Detector	Detects	Temperatures above 90°C
	Suitable For	Environments where temperatures up to 70°C occur normally
	Unsuitable For	Fast detection of slow burning fires
	Label Colour	Red

## Electrical Specifications

Exodus 2W (2-Wire) Electrical Specification	
Supply Voltage	10 - 30 VDC
Quiescent Current	60µA
Alarm Current at 12V	12mA
Alarm Current at 24V	35mA
Alarm Current at 30V	47mA

Exodus 4W (4-Wire) Electrical Specification	
Supply Voltage	9 - 16 VDC
Current Consumption	15mA (Typical)
Alarm Current	Built-in normally closed relay
Alarm Relay	<24Vdc 50mA, 18Ω
Latch Input	12V: Latching; 0V: Auto Reset

## Physical Specifications

 <p>55mm</p>	 <p>107mm</p>	 <p>Storage Temperature: -20°C (-4°F) to +80°C (+176°F)</p>	 <p>Packed Weight: 200g (7oz) approx.</p>
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## Features & Functions

	Exodus OH	Exodus RR	Exodus FT64	Exodus FT90
12V/4-Wire Operation with Alarm Relay	4W	4W	4W	4W
10V-30V/2-Wire Operation	2W	2W	2W	2W
Microprocessor Technology	●	●	●	●
Digital Technology Detection Algorithms	●	●	●	●
Latch Input Enables Auto Reset or Latching Operation	4W	4W	4W	4W
Remote LED Terminal	2W	2W	2W	2W
Alarm Simulation Test Button	●	●	●	●
Optical & Thermal Detection for Optimum Sensitivity	●			
Digital Drift Compensation	●			
Complies with EN54-5		A1/R	A2	C
Complies with EN54-7	●			



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