

# Premier Elite AM Series

**Texecom**  
Designed to Perform

## Grade 3 Anti-Masking Detectors

Inspired by a design philosophy of contemporary styling combined with the most innovative advanced detection performance, the Premier Elite AM Series is intended for those who require the very best.

The result is a series of Grade 3 motion detectors that surpass EN 50131 Grade 3 security system requirements.

With unrivalled detection technologies, Active IR Anti Masking, Local Self Test, Remote Self Test, Triple End-Of-Line (T-EOL) Signalling and Remote LED Disable, the Premier Elite AM Series strengthens Texecom's reputation for providing world-class detector performance.



**Premier Elite AMQD**  
Quad Element Detector

- 15m Genuine Quad Element Detection
- Wall Tamper Detection
- EN 50131-2-2 Grade 3 Compliance



**Premier Elite AMDT**  
Dual Technology Detector

- 15m Volumetric PIR & Microwave Detection
- Wall Tamper Detection
- EN 50131-2-4 Grade 3 Compliance



**Premier Elite AM360 QD**  
Ceiling Mount Quad Detector

- Omni-directional Quad Element Pyro for True 360° Coverage
- Ceiling Tamper Detection
- EN 50131-2-2 Grade 3 Compliance



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## Grade 3 Compliance

All products in the Premier Elite AM Series exceed the requirements of the EN 50131 Grade 3 Component Standards, EN 50131-2-2 and EN 50131-2-4. This ensures the Premier Elite AM Series is truly a range of exceptional detectors that completely revolutionise anti-masking detector security.

## Active IR Anti-Masking

All models in the Premier Elite AM Series use Texecom's optically enhanced Active IR technique, the most secure and reliable, anti-masking technology on the market.

The Premier Elite AMQD Plus and Premier Elite AMDT Plus utilise two active IR LED's, each deliberately orientated within a carefully engineered insect-proof sealed optical chamber, that transmit through the detector lens. This IR signal is then reflected back through the installation environment to an IR receiver, also located within the detector optical area. The Premier Elite AM 360 QD features the same Active IR technology, utilising a single LED to protect the optical area.

If a material is placed close to the detector, the IR signal reflected back to the detector will increase and will be detected as a masking attempt. If an IR absorbent material is placed in front of the detector, the level of signal will reduce and a masking attempt will also be detected.

The Active IR LED power output on all models provides 100% lens coverage protection and, when combined with Texecom's proprietary digital signal processing algorithms, deliver exceptional anti-masking pick-up whilst actively discriminating against false masking sources.

## Triple End-of-Line (T-EOL)

The Premier Elite AM Series uses T-EOL to communicate alarm, tamper, masking and fault over a single pair of wires. Note: masking is signalled by the alarm and fault relays opening simultaneously.

**Premier Elite AM360 QD & Premier Elite AMDT:** T-EOL plug-on boards are used to select different resistance values. Option A with resistance values for use with Texecom's Premier Elite Series control panels is fitted as default. An additional T-EOL board (Option B) for use with other major brands of control panels is also supplied. A range of other T-EOL boards are available separately.

**Premier Elite AMQD:** PCB jumpers are used to select different T-EOL resistance values. Option 1 is the default setting for use with Texecom's Premier Elite Series control panels. Alternative PCB jumper selections cover other major brands of control panels. A range of other T-EOL boards are available separately.

## Features & Functions

	AMQD	AMDT	AM360 QD
Detection Range	15m	15m	10.5m at 3.6m
Detection Technology	QUAD	PIR & MW	QUAD
Digital Microprocessor Technology	•	•	•
Digital Temperature Compensation	•	•	•
Digital Pulse Count	•	•	•
Triple End-of-Line (T-EOL)	•	•	•
Active IR Anti-Masking	•	•	•
Remote Self Test	•	•	•
Mounting Tamper Microswitch	•	•	•
Creep Zone Mirror	•	•	N/A
Remote LED Disable	•	•	•
EN 50131-2-2	Grade 3	N/A	Grade 3
EN 50131-2-4	N/A	Grade 3	N/A
EN 50131	Grade 3	Grade 3	Grade 3

## Physical Specifications

Side view dimensions: 40mm (1.6") height, 112.25mm (4.4") depth, 60mm (2.4") width.

Top view dimensions: 113mm (4.4") diameter, 30mm (1.2") thickness.

Storage Temperature: -35°C (-31°F) to +60°C (+140°F)

Packed Weight:  
AMQD/AMDT: 150g (5oz)/ 170g (6oz) approx.  
AM360 QD: 125g (4.5oz) approx.

PD 6662 & EN 50131 Grade 3 Environmental Class II. Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC (amended by 92/31/EEC & 93/68/EEC). Approved to BS EN 55022 Class B & BS EN 50130-4 : 1996. The CE mark indicates that this product complies with the European requirements for safety, health, environmental & customer protection. Premier Elite is a trademark of Texecom Ltd. © 2012 (LIT-0164)