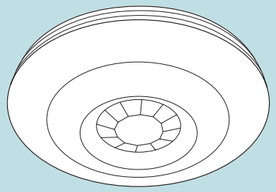
Prestige AM360 QD

Anti-Masking Ceiling Mount Quad PIR

INSTALLATION INSTRUCTIONS



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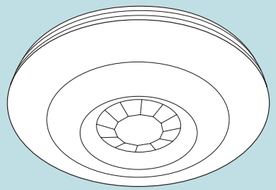

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QUALITY ASSURANCE

Certificate Number: FM 35285

MADE IN ENGLAND

WARRANTY

10 year replacement warranty.

The *Prestige AM360 QD* is designed to detect the movement of an intruder and activate an alarm control panel. As the *Prestige AM360 QD* is not a complete alarm system, but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the *Prestige AM360 QD* failed to function correctly.
Due to our policy of continuous improvement Texecom reserves the right to change specification without prior notice. All specifications are measured at 20ºC (68ºF).

1 INTRODUCTION

The *Prestige AM360 QD* is a grade 3 anti-masking ceiling mount quad PIR. Active IR provides unparalleled anti-masking reliability. Rear tamper protection, fault monitoring and Triple End-Of-Line (T-EOL) signalling provide compliance with EN 50131-2-2.

Outstanding features include:

- Omni-directional Quad Element Detection
- Active IR Anti-Masking
- Triple-End-Of-Line (T-EOL) Signalling
- Digital Microprocessor Technology
- Rear Tamper Detection
- Remote Self-Test Feature

MOUNTING (continued)

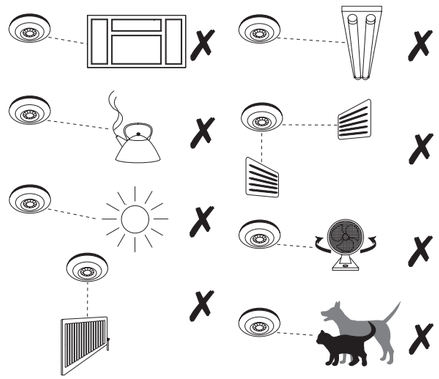
The recommended mounting height for the *Prestige AM360 QD* is 2.4m (8ft). The detection range diameter will increase if mounted higher than 2.4m and decrease if mounted lower (see Section 4).

To open the *Prestige AM360 QD* partially undo the retaining screw then insert a flat-head screw driver into opening slot and twist (see Section 6). The front cover may now be eased off from the underside of the casing.

Refer to Section 7 to select suitable knockouts for mounting the back on the ceiling.

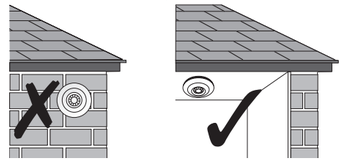
2 CHOOSING A LOCATION

Avoid common false alarm sources

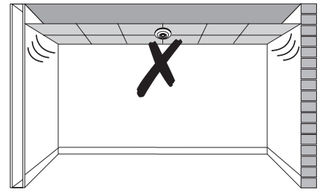


3 MOUNTING

For indoor use only

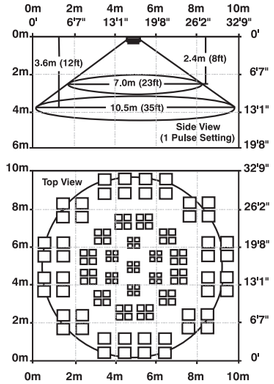


Mount on a stable surface



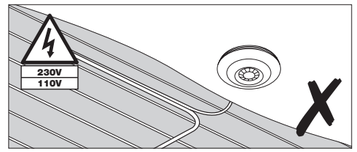
4 COVERAGE PATTERN

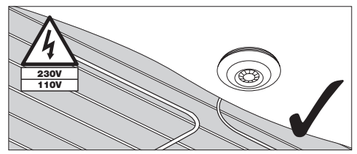
Volumetric



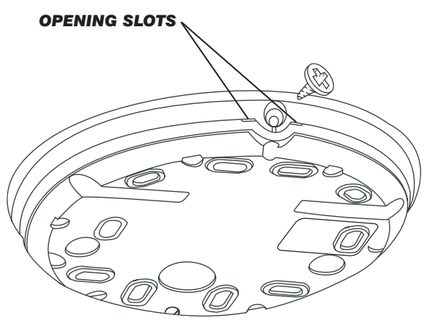
5 WIRING

Do not run cable parallel to mains wiring



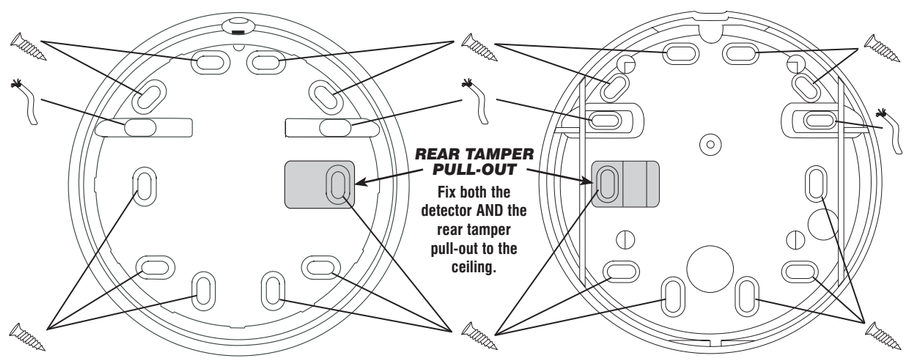


6 OPENING THE DETECTOR



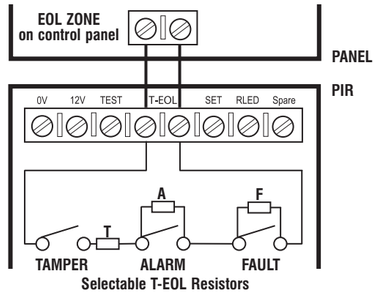
7 DETECTOR KNOCKOUTS

Rear tamper pull-out needs to be secured to the mounting surface to meet Grade 3 requirements of TS50131-2-2

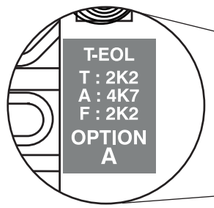


8 TRIPLE END-OF-LINE (T-EOL)

The *Prestige AM360 QD* is designed to be connected to a single zone on control panels which feature Triple End-Of-Line (T-EOL) compatibility. Alarm, Tamper, Fault and Masking are signalled on one pair of wires. To aid installation the resistor values can be selected via the T-EOL plug-on board. All the connections are normally closed. **Masking is signalled by the alarm and fault relays opening simultaneously.**



Use the Option A T-EOL board with Texecom's Premier range of control panels.

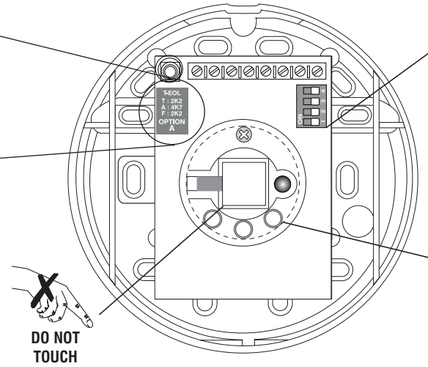


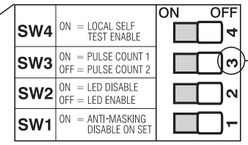
An additional T-EOL board (Option B) with the following values is also included: T: 1K0, A: 1K0, F: 10K.

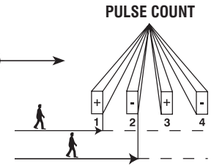
A range of other T-EOL values are available separately.

For use with the following Premier software versions (or above)	
Premier 24: V7	Premier 412/816: V10
Premier 48: V7	Premier 832: V3
Premier 88/168: V7	Keypads: V7
Premier 640: V7	Expanders: V7

9 DETECTOR SET-UP







LED FUNCTIONS

Detector Status	Indication
Alarm:	Red
Masking:	Flashing Green
Fault:	Flashing Orange

10 WIRING & DETECTOR SET-UP

INPUT FUNCTIONS:		
RLED:	12V/No connection:	LED's will function in accordance with the setting of SW2
	0V:	LED's will not function even if they are enabled via SW2
SET:	12V/No connection:	Detector is in the Standby/unset mode
	0V:	Detector is in the Alert/set mode
TEST:	12V/No connection:	Normal operation
	0V:	Initiate remote self-test

11 GRADE 3 ANTI-MASKING

- The *Prestige AM360 QD* is designed to meet both EN 50131-1 and TS 50131-2-2 and as such is a future-proof solution.
- On either power-up or reapplication of the front cover the detector will temporarily enter an auto-optimisation mode to adapt to it's environment. This will be shown by the LED's flashing in sequence.
- During optimisation ensure that there are no obstructions in close proximity (<1m) to the detector that will not be present during normal operation, as this could trigger a false masking signal.
- During installation avoid mounting the detector where objects may interfere with the anti-masking function (<1m), above doors, near curtains etc.
- The detector should not be mounted in direct sunlight.
- Masking is signalled by the fault and alarm relay opening simultaneously.

12 FAULT MONITORING

A fault will be indicated by one of the following:

- Supply input voltage out of specification
- PIR sensor malfunction

The fault will be cleared once the condition has been resolved.

Self-Test

To meet the requirements of TS 50131-2-2 this detector is capable of performing a self-test. There are two types of self-test; a local self-test and a remote self-test.

Local Self-Test

Local self-test is controlled by the detector and runs periodically to test the functionality of the circuitry. Setting SW4 to off can disable this function. If the test is passed no indication is shown but if it fails then a fault will be signalled to the panel and the orange LED lit (if enabled). The fault will remain until a local or remote test is passed.

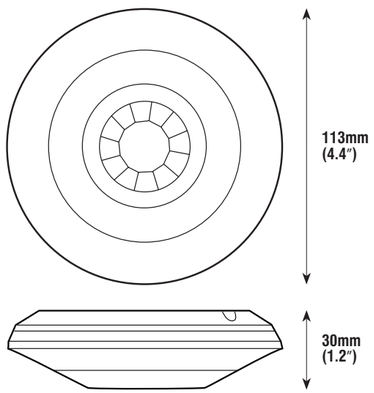
Remote Self-Test

This test is initiated at the control panel. If the test is passed then the detector will signal an alarm. If the test fails then the detector will signal a fault. The fault will remain until a local or remote test is passed. There is a dedicated control type for this output on Texecom Premier panels, expanders and keypads for ease of installation. For more information on setting up an output to run this test please see the relevant manual.

13 STANDARDS & APPROVALS

Detector Standard:	TS 50131-2-2 Grade 3 Environmental Class II.
System Standard:	Suitable for use in a PD 6662/BS EN 50131-1 Grade 3 system, Environmental Class II.
EMC:	Independently certified to BS EN 50130-4 : 1996.
RF Immunity:	No false alarms from 80MHz to 1GHz at 10V/m. Complies with BS EN 61000-4-3 : 2002.
Electrostatic Discharge:	No false alarms up to 8kV. Complies with BS EN 61000-4-2 : 1995.
Fast Transient Immunity:	No false alarms up to ±4kV. Complies with BS EN 61000-4-4 : 1995.
High Energy Transient Immunity:	No false alarms up to ±2kV. Complies with BS EN 61000-4-5 : 1995.
Conducted RF Susceptibility:	No false alarms at 10Vrms. Complies with BS EN 61000-4-5 : 1995.
Conducted & Radiated Emissions:	Complies with EN 55022 Class B.
Product Identifier:	AM360 QD

14 PHYSICAL

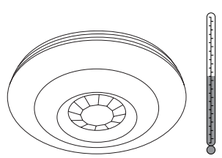


INS 325

15 ENVIRONMENTAL

125g (4.55oz) approx.

-35°C (-31°F) to +60°C (+140°F)



-35°C (-31°F) to +55°C (+131°F)