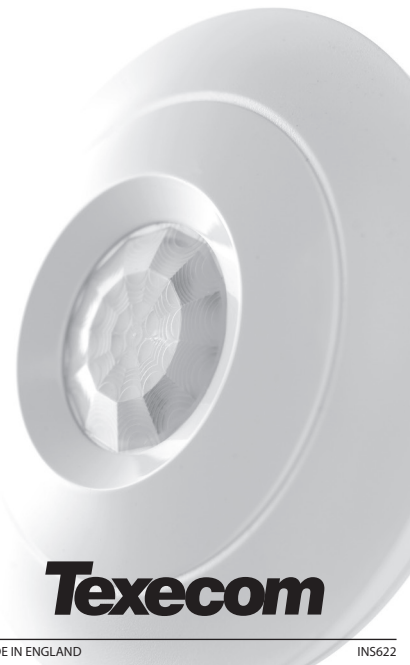


Instruction Manual

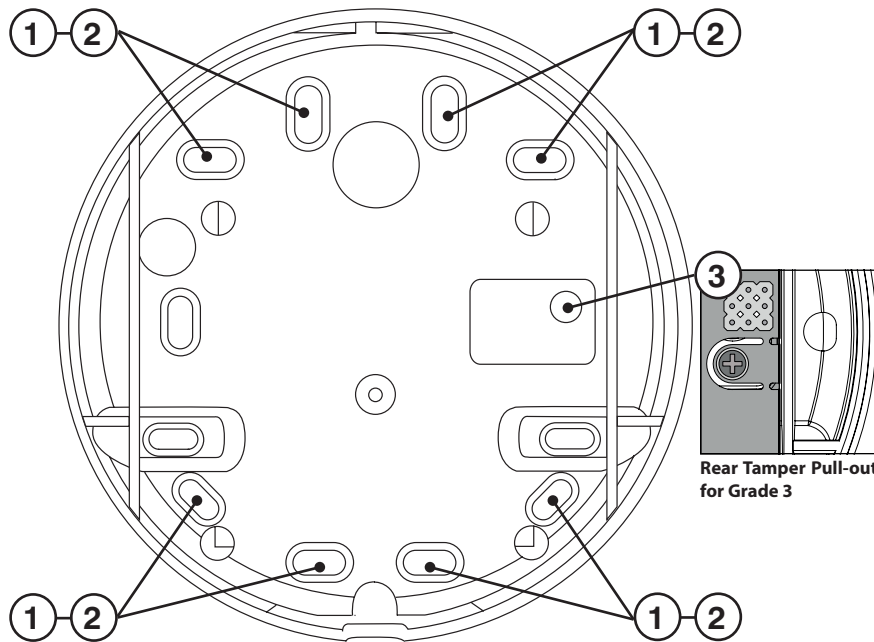
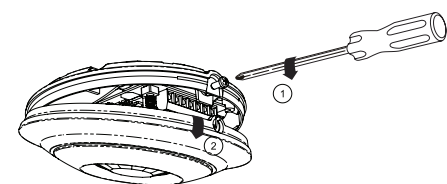
Premier Elite AM 360DT



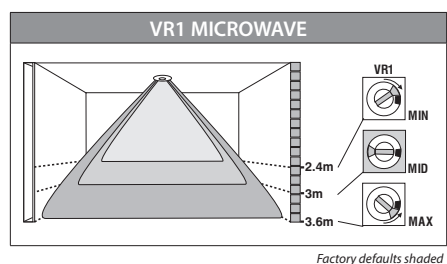
Texecom

MADE IN ENGLAND

INS622


Rear Tamper Pull-out for Grade 3

3

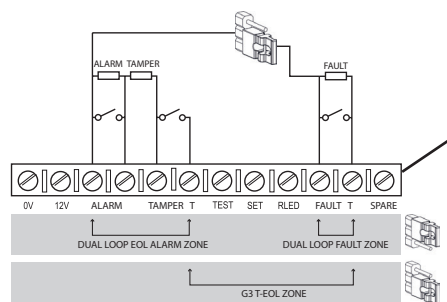


Factory defaults shaded

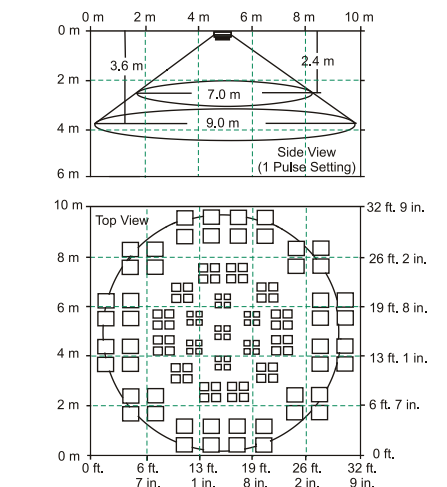
4

Jumper Position	1	2	3	4	5
Alarm EOL	1k0	3k3	4k7	5k6	6k8
Tamper EOL	1k0	2k2	3k3	4k7	5k6
Fault EOL	2k2	3k3	6k8	12k	15k

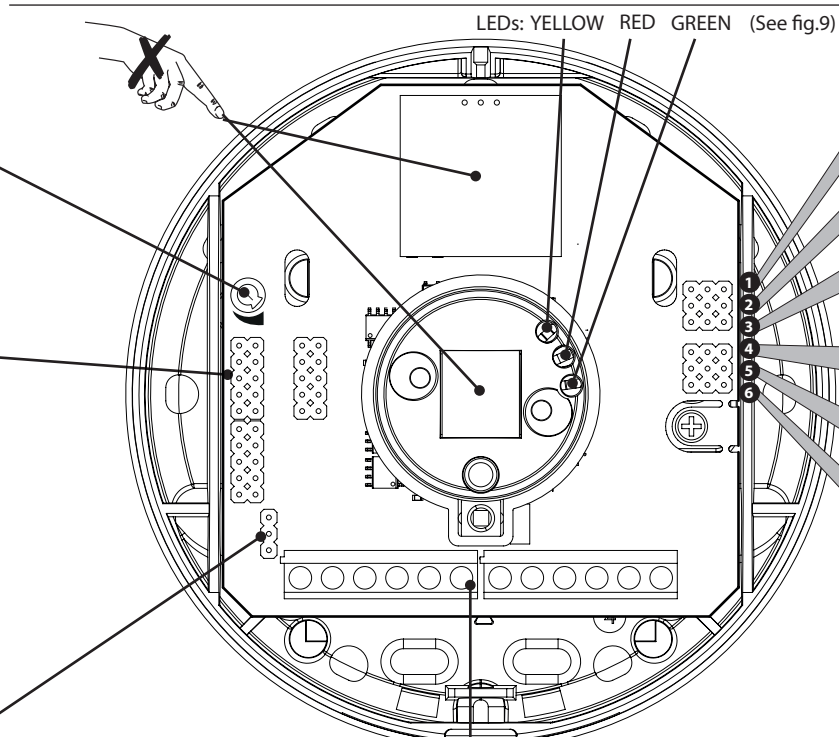
Factory defaults shaded



7

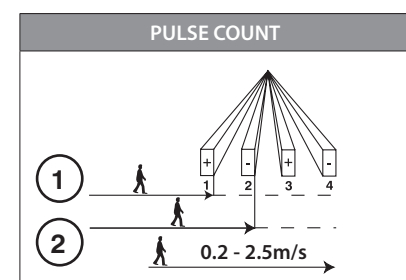


5



LEDs: YELLOW RED GREEN (See fig.9)

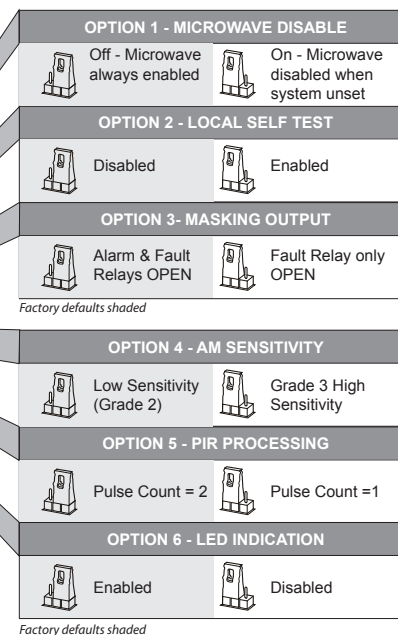
8



9

LED Condition	Indication	To Reset
RED on	Alarm condition	Automatically after a minimum of 2 seconds
ORANGE on	Microwave detection	Automatically upon no detection
GREEN on	PIR detection	Automatically upon no detection
GREEN flashing	Anti Masking condition	Automatically after masking condition has been removed
ORANGE flashing	Fault condition	Requires a power off/on cycle
RED/ORANGE/GREEN cycling	Auto-optimisation mode	Automatically within 3 minutes

6



Specifications	
Detector	PIR + MW
Signal processing	DSP
Range	Coverage diameter 9m at 3.6m mounting height
Optics	Fresnel lens
MW Operating Frequency	24 GHz
Power supply	9 to 15VDC
Peak-to-peak ripple	2 V (at 12 VDC)
Power supply unit	Rated 94HB
Startup time	180 s
Maximum current	23 mA
Mounting height	2.4 to 3.6 m
Target speed range	20 cm/s to 2.5m/s
Alarm relay	<24 VDC, 50 mA, NC, resistive load 34 Ω max.
Tamper relay	<24 VDC, 50 mA, NC
Alarm time	>2 s
Dimensions (W x H x D)	116 x 33 x 116 mm
Weight	115 g
Operating environment	
Temperature	-10 to +55°C (14 to 130°F)
Relative humidity	0 to 95% noncondensing
Maintenance	Yearly test by installer

Contact information: www.texecom

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FM 35285



Description

The Premier Elite AM 360DT is a ceiling mount dual technology detector, which is designed to detect a movement of an intruder, and to activate an alarm on a control panel. The product must be connected to a listed burglar system compatible control unit or power supply unit, which provides a supply voltage between 9 and 15Vdc as well as a minimum 4 hours of standby power.

Figure legends			
Item	Description	Item	Description
Fig 2		Fig 8	
1.	Cable entry	1.	Pulse Count 1
2.	Screw	2.	Pulse Count 2
Fig 5			
1.	Supply connector for 0 V and 12 V		
2.	Normally closed alarm relay output		
3.	Normally closed tamper output		
4.	Remote Test Input		
5.	Set input		
6.	Remote LED enable		
7.	Normally closed fault relay output		
8.	Spare (0V)		

Installation guidelines

- The technology used in these detectors resists false alarm hazards. However, avoid potential causes of instability such as:
- 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.
- Not suitable for outdoor use.

To install the detector:

- Unwind the screw on the side of the detector until loose; the screw will be retained in the product (see Figure 1, item 1).
 - Lift detector lid from the base and off the lugs at the opposite end to the screw (see Figure 1, item 2).
 - Fix the base to the ceiling between 2.4 m and 3.6 m (8 and 12 ft) from the floor. For flat mounting use a minimum of 2 screws (DIN 7998) in any of the available positions (see Figure 2). Rear tamper pull-out needs to be secured to the mounting surface to meet Grade 3 requirements.
 - Wire the detector (see Figures 4 and 5).
 - Select the desired option settings (see Figure 6).
- On power-up the detector will temporarily enter an auto-optimisation mode to adapt to its environment. This will be shown by the LED's flashing in sequence. Allow 3 minutes for the optimisation to complete.
- 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.

INPUT FUNCTIONS:	
RLED: 12V/No connection:	LED's will function in accordance with jumper setting
0V:	LED's are enabled
SET: 12V/No connection:	Detector is in the Standby/unset mode & microwave can be disabled using jumper
0V:	Detector is in the Alert/set mode
TEST: 12V/No connection:	Normal operation
0V:	Initiate remote self-test

Triple End-Of-Line (T-EOL) (see Fig. 4)

The detector is designed to be connected to a single zone on control panels which feature Triple End-Of-Line compatibility. Alarm, Tamper, Fault and Masking are signalled on one pair of wires. To aid installation the resistor values can be selected via the jumpers. All the connections are normally closed. **Masking is signalled by the alarm and fault relays opening simultaneously, this can be done by changing Option 3 jumper so only the fault relay is opened.** (see Fig.6)

Fault Monitoring - A fault will be indicated by one of the following:

- Supply input voltage out of specification
- PIR sensor malfunction / microwave malfunction

The fault will remain until the power is cycled off/on. 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.

Self-Test

To meet the requirements of EN50131-2-4 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 the Local Self Test Jumper to DISABLED will 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 LED lights orange (if enabled). The fault will remain until the power is cycled off/on.

Remote Self-Test

This test is initiated at the control panel. If the test is passed the green LED pulses twice in quick succession and alarm signalled but if it fails then a fault will be signalled to the panel and the LED lights orange (if enabled). The fault will remain until the power is cycled off/on. The panel is required to set the 'TEST' terminal low (0V) for activation of Remote Self Test.

Walk Test

This test is initiated at the control panel. If this terminal (WT) is set low by the panel (0V) the unit will enter walk test mode (when LED indication J5 is disabled).

Wiring

For the ex-factory settings, see Figure 5 & 6. Walk test (WT) voltage - Open Collector, 0 V active. Remote Test - Open Collector, 0 V active.

LED Indication (see Fig. 9)

Please Note: the Alarm condition has precedence in the event of multiple conditions being active.

Regulatory information

Supplier: Texecom Ltd, St. Crispin Way, Haslingden, Lancashire, BB4 4PW, UK.

Security grade: EN Grade 3

Environmental class: Class II

Standards: EN 50131-2-4

European Directives

2004/108/EC (CE directive): Hereby, Texecom declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.

2011/65/EU (RoHS Directive): Hereby, Texecom declares that this device does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) in more than the percentage specified by EU directive 2011/65/EU, except exemptions stated in EU directive 2011/65/EU annex.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

Maintenance: To be tested yearly by the installer

Warranty: 2 year replacement warranty

The Premier Elite AM 360DT is not a complete alarm system, but only its part. Therefore Texecom does not accept any responsibility or liability for any damage that is claimed to be a result of an incorrect functioning of the Premier Elite AM 360DT detector. Texecom reserves the right to change the specification without a prior notice.