

NOTICES

Approval: This product is marked with a CE mark and constitutes a Class 2.7 device. The radio system has been designed to comply with EN50134 series of European Norm standards specific to Social Alarms.

The product exceeds the requirement for Electromagnetic Compatibility (EMC) standard BS EN 50130 part 4; which sets criteria for EMC Immunity for components of fire, intruder and social alarm systems. The radio triggers (and receiver) are in accordance with the specific European Social Alarm radio frequency band allocation (from 869.20 to 869.25MHz). They operate at 869.2125 MHz. The radio transmitters comply with mandatory radio standards for Short Range Devices (SRD) ETSI EN 300-220: The radio receiver also conforms and exceeds the mandatory class 1 criteria necessary for **“safety critical SRD communication media i.e. for devices servicing systems where failure may result in a physical risk to a person.”**

Transmitter parameters

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|---|--|
| The transmitter follows a pre programmed cycle leading to a typical duty cycle class of 1 (<0.1%): | A class 2.7 device |
| Effective radiated power 200 micro Watts | Frequency error \pm 3 kHz maximum |
| Adjacent channel power <100 nano Watts | |
| Effective range up to 50m (into standard alarm telephone) | Intended area for use is Europe |
| Intended environment is group II - indoor in general with intended operating temperature between -10 to +55 Celsius | Expected battery life 20000 operations |

Declaration of Conformity

We, Tunstall Telecom of Whitley Lodge, Whitley Bridge, Yorkshire, England, DN14 0HR
Declare that the 869MHz Fast PIR conforms with the essential requirements of the RTTE directive 1999/5/EC. Essential radio test suites have been carried out.

Model Number: 67005/89

Applicable standards:

| | |
|---------------------|------------------------------------|
| EMC | EN 55022:1998 |
| | ETSI EN300-683:1997 (Class 1) |
| | ETSI EN301-489-1:(2000-08) Class 1 |
| Safety | EN 60950:2000 |
| Radio | ETSI EN 300 220-2:(2007) |
| Social Alarm | EN50130-4:1995 + amendment A1:1998 |
| Signed | |



Technical Director  Date 12 November 2007

Associated Summary Information (02RTTE0014A) The CE mark was first applied in November 2007

Fast PIR Installation Guide

Functionality - The PIR initiates a radio signal upon detection of movement every 30 seconds. The PP3 battery powers both the PIR and the radio transmitter. The battery is automatically tested regularly and an auto low battery alert is transmitted to the monitoring centre if a low battery condition is detected. The battery should be changed regularly or whenever a low battery is verified.

Installation - For optimum radio performance it is recommended that the PIR is installed away from metallic surfaces. Fit the pattress to the wall, taking note of the detection area and area pattern selection instructions in the Optex PIR installation instructions. The 'Walk Test' link **must be fitted** at all times for the Fast PIR. This is unique to the Fast PIR.

Programming - Refer to the installation and programming guide for the appropriate Tunstall alarm equipment. To verify operation of the Fast PIR, the Tunstall alarm unit must be set to 'Walk Test' mode. In this mode the Tunstall alarm will beep on each transmission from the Fast PIR. Note: To preserve battery life, the Fast PIR only transmits every 30 seconds. Therefore with continuous movement, the Tunstall alarm unit will only beep once every 30 seconds.

Battery Life - The Fast PIR has been fitted with a 1200mAh PP3 Lithium-Manganese Dioxide battery, which will last approximately 1 year. This may vary depending on the level of activity within the Fast PIR's detection range.

Battery Replacement - To open the PIR, please refer to the Optex PIR installation instructions. The transmitter circuitry and the PP3 battery can be seen on the rear of the PIR circuit assembly. Fit the replacement battery into the clips in the same orientation as the old one.

The PIR should be tested following battery replacement and reassembly of the unit. Test the PIR by setting the appropriate Tunstall alarm equipment into programming mode and listening for the loud beep to indicate receipt of a radio transmission. If the unit appears not to function and the battery is in the correct orientation then follow these steps (please note that the PIR LED will not light in normal operation mode):

1. Remove battery from holder.
2. Press the switch on the PIR transmitter board, holding it down for approximately 5 seconds.
3. Replace the battery, reassemble the unit and test the unit again.

**For additional help please contact the Tunstall Telecare Helpline on
0845 026 1255**