

**Pet immunity - PIR movement sensor**

**4270**

**Description**

Internal PIR movement detection sensor, with animal immunity function and output adjustable up to 12 metres.  
Fitted with invisible lenses thanks to use of the materials of the lens itself for the design of the entire front.

**Related items**

4273 Swivel fixing hinge for sensors

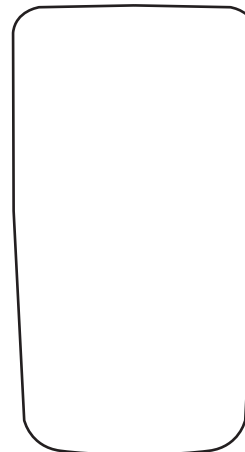
**Technical data**

IR sensor	two sensitive areas (double components)
Supply voltage	9.6 – 14.5 Vdc
Absorption	12 mA stand-by; 25 mA max
Alarm relay	solid state, 60 V, 50 mA insulation 1500 Vrms
Tamper switch	form A (NC) 50 mA at 30 Vdc
Sensitivity	selectable: 2 or 3 steps
Operating temperature	(- 10) – (+ 55) °C
IP index	40

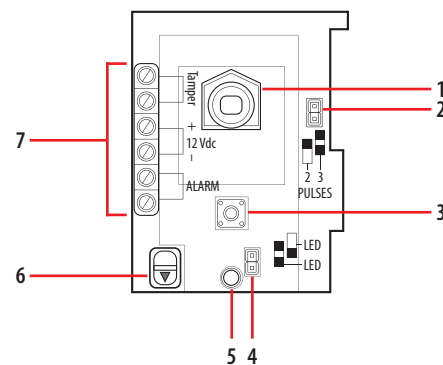
**Dimensional data**

Size: 113 x 60 x 45 mm (H x L x D)

Front view



Card front view



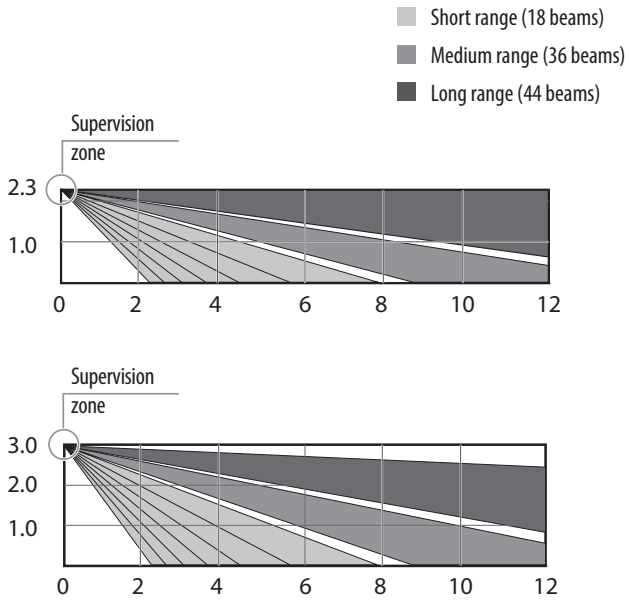
**Legend**

1. Infrared sensor
2. JP Jumper  
Connected= number of steps 2  
Disconnected= number of steps 3
3. Anti-tamper
4. ON/OFF jumper  
Connected= it activates the alarm detection LEDs  
Disconnected= it deactivates the alarm detection LEDs
5. Red notification LED
6. Installation height adjustment pin
7. Connection clamps

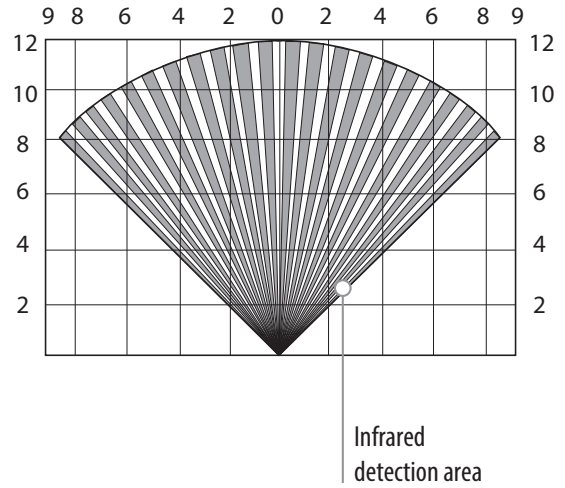
**Technical specifications**

Coverage graphs detected with sensor mounted vertically

Cover diagram side view in metres.

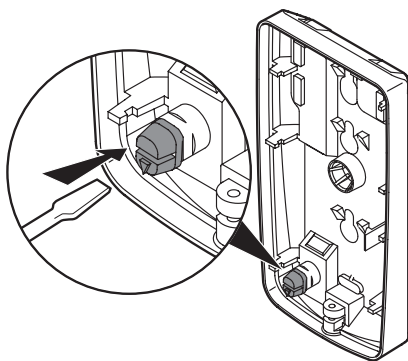
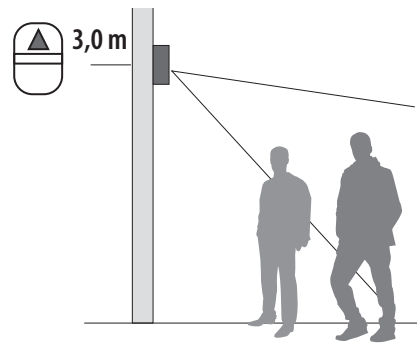
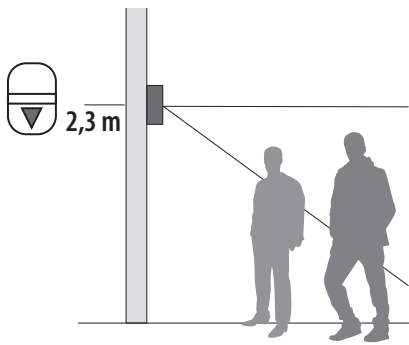


Covering diagram upper view in metres



**Installation rules**

The sensor has been designed to be installed at height of 2.3 or 3 metres. Turn the adjustment pin with a screwdriver to set the height required. Remember to check the sensor output with the walk-test function

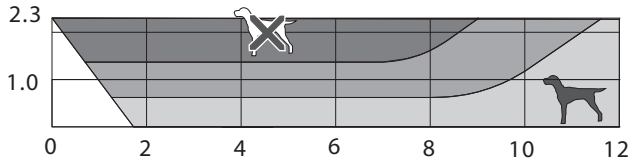


**Operation**

**Pet immunity**

The 4270 movement detector is designed to allow the presence of small domestic animals (up to 10 Kg) in the controlled room without an alarm being given.

The diagram below shows the zones of greatest discrimination between human being and domestic animal. The sensor must be installed so that domestic animals only move in the spaces with lighter colouring.

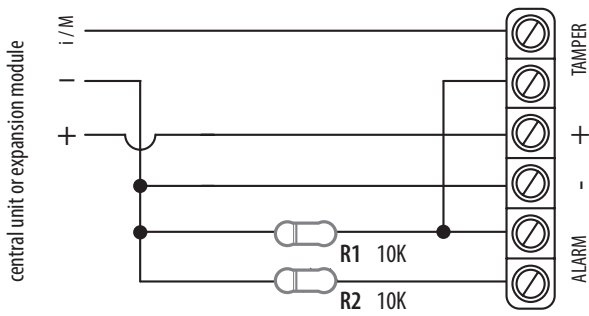


Note: the size datum is purely indicative because the animal's behaviour could also cause an alarm to be given.

In any case we recommend that you check with an animal present that it does not activate the alarm.

**Wiring**

Sensor wiring diagram to the central unit or expansion module.



**Note**

It is necessary to set the double parallel balance (2x10kΩ) using the TiAlarm software.