

**TECHNICAL DATA**

Power supply	1 alcalyn or lithium battery
Current drained in resting conditions	60µA
Current drained in working conditions	6mA
Autonomy with alkaline battery	1 year
Range	12 meters
Horizontal opening	101degrees
Vertical opening	75° on 3 protection levels
Protection bean	14 (on 3 levels)
Minimum range of the transmitter	20 meters
Working temperature	-10 / +50°C
Transmission frequency	433.92Mhz

*This device is warranted against all construction or operating defects for a period of 12 months of the date of manufacture given on the warranty label on the back. If this label is missing the warranty loses its validity. The manufacturer assumes no responsibility for anomalies or failures to the alarm device caused by transport or extraneous causes such as electric discharge, overvoltage, mechanical impact, flooding, or due to improper installation or non compliance with the technical data specified. The alarm has only dissuasive functions against theft.*

**TECHNICAL DATA**

Power supply	1 alcalyn or lithium battery
Current drained in resting conditions	60µA
Current drained in working conditions	6mA
Autonomy with alkaline battery	1 year
Range	12 meters
Horizontal opening	101degrees
Vertical opening	75° on 3 protection levels
Protection bean	14 (on 3 levels)
Minimum range of the transmitter	20 meters
Working temperature	-10 / +50°C
Transmission frequency	433.92Mhz

*This device is warranted against all construction or operating defects for a period of 12 months of the date of manufacture given on the warranty label on the back. If this label is missing the warranty loses its validity. The manufacturer assumes no responsibility for anomalies or failures to the alarm device caused by transport or extraneous causes such as electric discharge, overvoltage, mechanical impact, flooding, or due to improper installation or non compliance with the technical data specified. The alarm has only dissuasive functions against theft.*



### Positioning

Determine the zone to be protected and sensor coverage. Avoid the main causes of false alarms, which are:

- Vibrations of the supporting surface
- Unstable objects in the area to be protected
- Animals

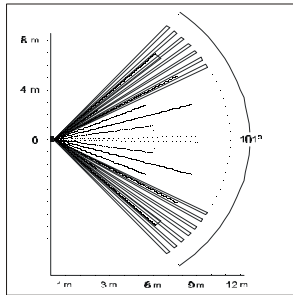
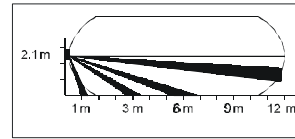


Fig. 1 emission modes of passive and microwave infrared sensors.

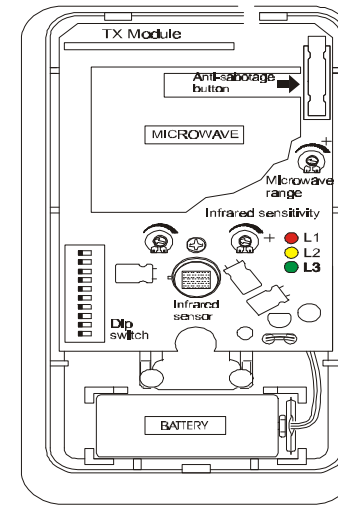


### Programming

To link up the sensor to the control unit, remove the cover and select the first 8 of the 10 dip switches located on the printed circuit.

CAUTION: each wireless peripheral must have a unique code, different from those of all the other peripherals (see table at the end of the User Manual for possible double codes).

### Dual sensor operating test



### Positioning

Determine the zone to be protected and sensor coverage. Avoid the main causes of false alarms, which are:

- Vibrations of the supporting surface
- Unstable objects in the area to be protected
- Animals

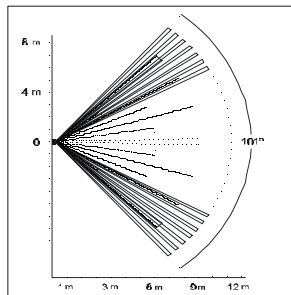
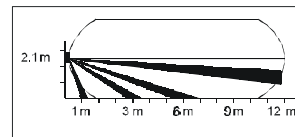


Fig. 1 emission modes of passive and microwave infrared sensors.

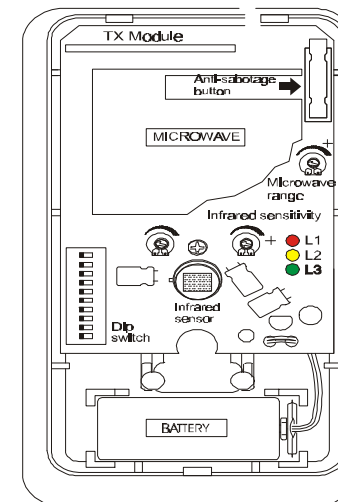


### Programming

To link up the sensor to the control unit, remove the cover and select the first 8 of the 10 dip switches located on the printed circuit.

CAUTION: each wireless peripheral must have a unique code, different from those of all the other peripherals (see table at the end of the User Manual for possible double codes).

### Dual sensor operating test



9 OFF - 10 ON	<b>WALK TEST</b> At each movement through the LED is visualised the protection range of the sensor L-1 INFRARED L-2 MICROWAVE L-3 ALARM SIGNAL
9 ON - 10 ON	<b>RF TEST</b> A signal is continuously transmitted in the unit in order to check the connection between the sensor and the unit. L-3 = 3 FLASHES EACH 5 SEC.
9 ON - 10 OFF	<b>RF TEST</b> As above described without the flashing of the LED.
9 OFF- 10 OFF	<b>NORMAL WORKING</b> The three LEDS are not activated, but a signal of alarm is transmitted to the unit.

**Attention:**  
 before positioning again the sensor cover, make sure that the dip switches 9 and 10 are both positioned to OFF, otherwise the battery length is not warrantied.

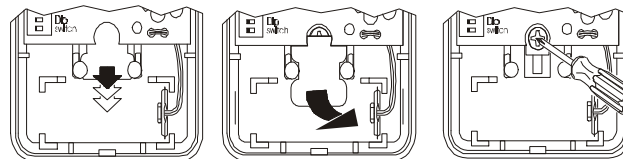
9 OFF - 10 ON	<b>WALK TEST</b> At each movement through the LED is visualised the protection range of the sensor L-1 INFRARED L-2 MICROWAVE L-3 ALARM SIGNAL
9 ON - 10 ON	<b>RF TEST</b> A signal is continuously transmitted in the unit in order to check the connection between the sensor and the unit. L-3 = 3 FLASHES EACH 5 SEC.
9 ON - 10 OFF	<b>RF TEST</b> As above described without the flashing of the LED.
9 OFF- 10 OFF	<b>NORMAL WORKING</b> The three LEDS are not activated, but a signal of alarm is transmitted to the unit.

**Attention:**  
 before positioning again the sensor cover, make sure that the dip switches 9 and 10 are both positioned to OFF, otherwise the battery length is not warrantied.

Access the control unit programming function by following the instructions provided in the installation manual (par. 3.1) and go to the **"PROGRAM SENSORS?"** menu (par. 3.4). Assign a code to the sensor by applying pressure to the spring of the anti-tampering button.

#### Assembly process

- Determine the fastening point at a distance from the floor of ca 2.1 m.
- The sensor is supplied with swinging joint incorporated and for the fixing use first the template and then the tools supplied with the kit.
- Once the sensor has been fixed turn the sensor towards the zone to be protected and adjust the joint screw as shown in the fig. 2 here under:

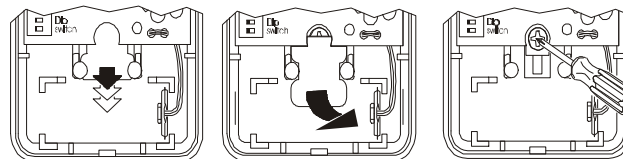


- Unscrew the screw under the sensor
- Lever with a screwdriver in the block slot of the sensor cover.
- Move towards the low the plastic as shown in the picture.
- Take away the plastic.
- Adjust the fixing screw.
- Close again the cover.

Access the control unit programming function by following the instructions provided in the installation manual (par. 3.1) and go to the **"PROGRAM SENSORS?"** menu (par. 3.4). Assign a code to the sensor by applying pressure to the spring of the anti-tampering button.

#### Assembly process

- Determine the fastening point at a distance from the floor of ca 2.1 m.
- The sensor is supplied with swinging joint incorporated and for the fixing use first the template and then the tools supplied with the kit.
- Once the sensor has been fixed turn the sensor towards the zone to be protected and adjust the joint screw as shown in the fig. 2 here under:



- Unscrew the screw under the sensor
- Lever with a screwdriver in the block slot of the sensor cover.
- Move towards the low the plastic as shown in the picture.
- Take away the plastic.
- Adjust the fixing screw.
- Close again the cover.

### Sensitivity adjustment

The device is supplied pre-set in the factory to ensure a coverage of 12m. By means of the two adjustment trimmers located inside the sensor, it is possible to change the setting and adapt the detector to the size of the room to be protected.



Fig. 3

Microwave adjustment

Infrared adjustment

### Operation

As soon as it detects an intrusion, sensor 5000DT transmits a radio signal to the control unit. When the alarm cause has been removed, the 5000DT is inhibited automatically for ca 3 minutes, then it gets ready to detect the next alarm. If the cause of the alarm persists, the inhibition period is continuously renewed.

NOTE: During the sensor inhibition time, the sensor anti-tampering function is always active.

### Low battery signal

When battery voltage drops below 6 V, the sensor indicates this condition by giving out an audible signal lasting ca 1 second. This indication is given out every 3 hours and each time the sensor detects a movement.

### Sensitivity adjustment

The device is supplied pre-set in the factory to ensure a coverage of 12m. By means of the two adjustment trimmers located inside the sensor, it is possible to change the setting and adapt the detector to the size of the room to be protected.

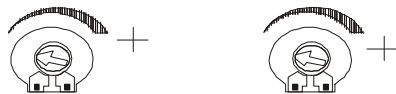


Fig. 3

Microwave adjustment

Infrared adjustment

### Operation

As soon as it detects an intrusion, sensor 5000DT transmits a radio signal to the control unit. When the alarm cause has been removed, the 5000DT is inhibited automatically for ca 3 minutes, then it gets ready to detect the next alarm. If the cause of the alarm persists, the inhibition period is continuously renewed.

NOTE: During the sensor inhibition time, the sensor anti-tampering function is always active.

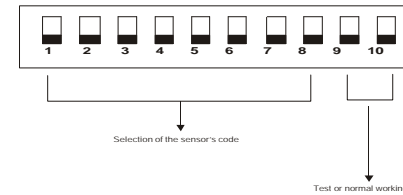
### Low battery signal

When battery voltage drops below 6 V, the sensor indicates this condition by giving out an audible signal lasting ca 1 second. This indication is given out every 3 hours and each time the sensor detects a movement.

### Battery replacement

1. Access the programming function (see paragraph 3.1 in the installation manual).  
In these conditions, in fact, the control unit does not detect the sabotage alarm caused by the opening of the sensor.
2. Open the sensor
3. Pull out the microwave detector (which conceals the battery) from its housing.
4. Replace the battery
5. Close the sensor
6. Quit the control unit programming mode.

### Dip-switches selection and working test.



### Battery replacement

1. Access the programming function (see paragraph 3.1 in the installation manual).  
In these conditions, in fact, the control unit does not detect the sabotage alarm caused by the opening of the sensor.
2. Open the sensor
3. Pull out the microwave detector (which conceals the battery) from its housing.
4. Replace the battery
5. Close the sensor
6. Quit the control unit programming mode.

### Dip-switches selection and working test.

