

De Fence WLIP54

Dual tented technology via bidirectional radio FM 868MHz



Dual tented technology for perimeter protection (coverage: 12 x 2,7 m)
IP54 protection

Technical characteristics

- Absorption at rest: 30 uA.
- Height of installation: up to 3 m.
- Adjustable range
- Microstrip microwave 24 GHz.
- Flicker-free board
- Sealed optical.
- Adjustment range: from 6 to 12 metri
- Power supply: 3,6v- n.1 lithium battery ER14505 cabled AA 2,4Ah.

- Battery life : 3 years (at standard use).
- RF Frequency. 868MHz-FM.
- Tamper protection.
- Radio supervision
- Visual indication of low battery
- Selectable detection circuit.
- Selectable pet Immune.
- Selectable sensitività of detection.

! WARNING: Before every trial, connect the sensor to the receiver.

1. Installation manual

The ideal height of installation is 2.50 m, with a range of detection of 12 x 2.7 m, changing the height of installation, the flow will change proportionally.

Install the sensor in a quiet place, with no objects moving nearby (like animals or plants).

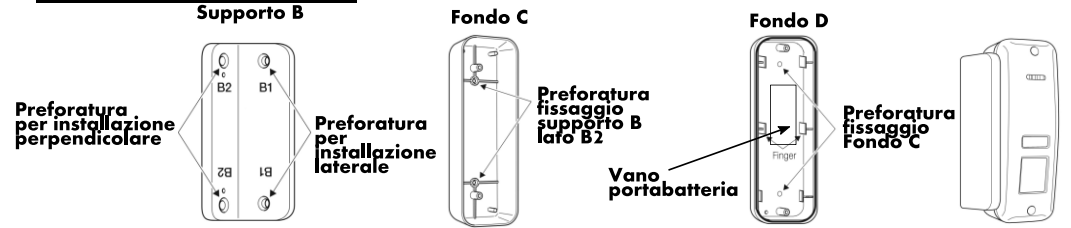
When installed indoors, you have to use the C bottom, otherwise use the F bottom (with rain cover).

When requested a Pet immune system, install the sensor at the height of 1 m .The sensor can be installed on the wall you need to protect (Fig. 1),

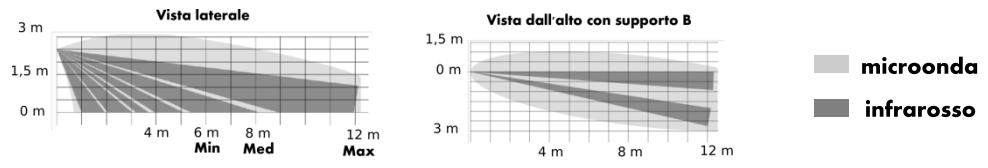
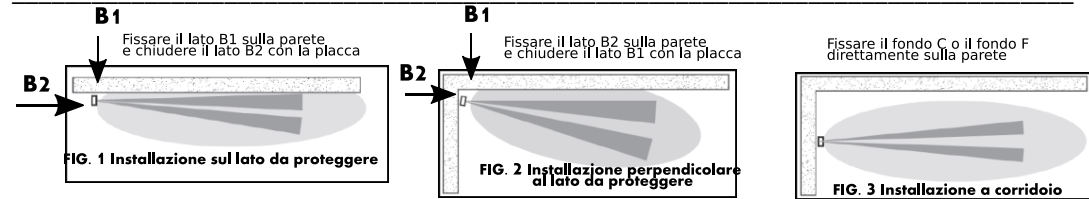
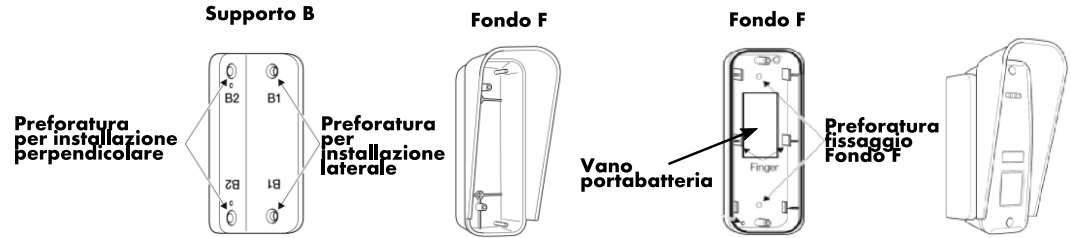
on a wall that is perpendicular to the perimeter you need protection on (Fig.2) or as a protection on a specific corridor (Fig.3).

The B SUPPORT shows a light angulation (3°) to have the detection field on the outside of the perimeter (Fig 1 e Fig 2) . The B1 side has to be set between the sensor and the perimeter: this allows you to install the sensor close to the perimeter itself.

Indoor installation

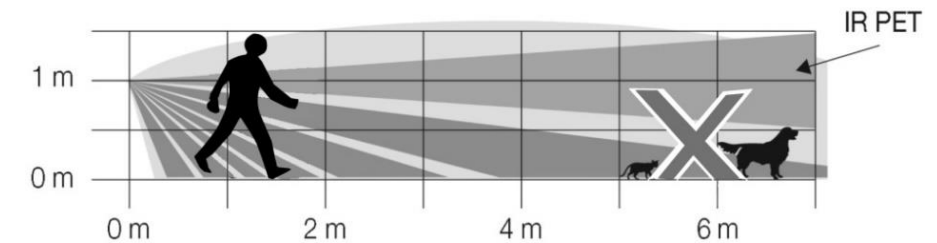


Outdoor installation



PET immune setting

When in need of a pet immune installation, put the sensor at a height of 1 m and set the DIP 2 on PET (Pos ON). The alarm will go off when the PET line will be crossed. In this mode, the relevation flow is reduced to 6 m.



WARNING: Before every trial, connect the sensor to the receiver.

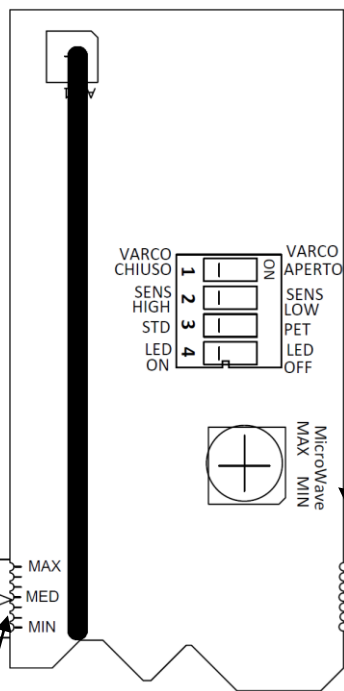
2. BATTERY INSERTION Remove the board and connect the battery to the circuit through the connector, positioned on the back of the board and put it in the battery carrier on the D bottom. Wait 2 minutes for the auto-calibration. The GREEN and RED LEDs will blink alternatively.

3. ACQUISITION The acquisition of the sensor in the system takes place when a Tamper alarm is generated (by releasing the Tamper button) or setting the battery in "acquisition" mode.

4. RADIO COVERAGE TEST When the battery is disconnected, push the Tamper button and connect the battery. When the LED will blink, drop the Tamper button. The GREEN LED suggests a good signaling, when the GREEN and RED LEDs blink, the wireless signal is not fit, with no blinking the signal is absent. To end the Test, push the Tamper or wait for 4 minutes.

5. WALK TEST Once the lid is closed, the sensor will prepare for 3 minutes at the coverage test. Move towards the space you need protection and verify the coverage through the microwave green led and the infrared red led (the display is delayed 2 sec). The ending of the test will be signaled by the green led.

Premise: when functioning, at the detection of an alarm, the sensor is inhibited for 2 sec. If the SET line of the De Unire is connected, the sensor won't be inhibited, once the system is inserted.



Programs

Dip4 Pos OFF LED ON displaying enabled, the reception of the alarm on the receiver is shown by the GREEN LED.

Dip4 Pos ON LED OFF displaying disabled

Dip3 Pos OFF STD The alarm will go off if both the technologies detect an intrusion or an anomaly.

Dip3 Pos ON PET Pet mode, the alarm will go off once the pet line is crossed.

Dip2 Pos OFF SENS HIGH Standard sensibility

Dip2 Pos ON SENS LOW Low sensibility Suitable for places with environmental instability.

Dip1 Pos OFF Closed gate Mode for gaps that can't be crossed on the run

Dip1 Pos ON Open Gate Mode for gaps that can be crossed on the run.

Microwave range regulation

Adjust the trimmer on the minimum (range 4-12 m). When in the area you want to protect, move (with the LED off) perpendicularly to the and verify the uW measurements through the GREEN LED. If the LED is off, increase the range by turning the trimmer clockwise. Repeat the trial until you have obtained the requested status.

IR range regulation

Move the circuit to adjust the IR range
Max 12 m
Med 8 m
Min 6 m

6. ALARM MEMORY

When the system is off, the sensor will display a possible alarm through the blinking of the green and red led. The memory will be cancelled at the next insertion. It's activated in LED OFF as well.

7. BATTERY SIGNALING The low battery status is signaled through the blinking of the RED LED. In LED OFF also.

8. BATTERY REPLACEMENT To replace the battery, set the system in MAINTENANCE mode, open the sensor, remove the battery, insert a new battery and close the lid.

9. WARNING:

- explosion danger if the battery isn't replaced correctly. Replace it only with an equal or equivalent type.
- In case the battery shows leakage of liquid, change it immediately. Afterwards, clean your hands if you touched the fluid.
- **Warning:** Because of its small dimensions, the product can be ingested easily. Keep away from children.

10. INFORMATION RELATING TO THE DISPOSAL (RAEE GUIDELINE)



- Warning: don't throw this product in the normal trash bin!
- The electrical and electronic equipment must be managed separately in accordance with the legislation requesting the management, the disposal and recycling of such products

DISPOSAL OF THE BATTERY:

Warning: the battery contains polluting substances, therefore it must be put in special predisposed to the collecting and disposal of polluting waste.

RED directive, rule EN 60950-1, EN 50130-4, EN 50130-5 EN61000-6-3, EN 300 440, EN301489-3 e EN 62479

DECLARATION OF CONFORMITY EU

DeTech declares that the product is in accordance with the 2014/53/UE directive. The EU declaration of conformity is available on the following site www.DeTechsrl.it

WARRANTY

RATING	
Power supply	3,6V cc+/-30%
	ER14505
Max absorption	30 uA
Microwave	Strip 24GHz 8 dBm
Alarm time	3 sec.
RFI immunity	0,1/500 MHZ 3V/m
Working temperature	-5°C/+55°C
Radio frequency	868 FM bidirectional
Humidity	95%

This product is ensured for 5 years (upon the occurrence of malfunctioning or manufacturing faults).

De **Tech** srl

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Garanzia: il prodotto è garantito per 5 anni