

# GATE WL

## Double tented technology via



### bidirectional radio

Gate WL is a double tented technology sensor, with a  $140^\circ \times 15^\circ$  coverage. Ideal for the protection of gaps, doors, windows, corridors and balconies.

#### Caratteristiche tecniche

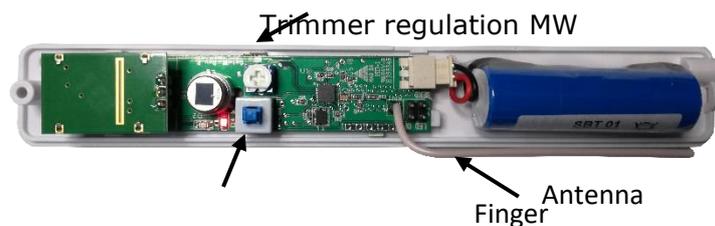
- Absorption at rest: 26 uA.
- Installation height: up to 4 m.
- Adjustable range.
- Adjustable relevation sensibility.
- Microstrip microwave 10.525 GHz.
- Flicker-free board
- Sealed optical.
- $140^\circ \times 15^\circ$  for 4 m coverage
- Power supply: 3,6v- n.1 lithium battery ,3v6 mod. ER14505 cabled AA 2,4Ah.
- 3 years of life (at standard use)
- Radio Freq.868MHz-FM.
- Encrypted code.
- Anti tampering protection.
- Radio supervision.
- Visual indication of low battery
- Selectable detection circuit.

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

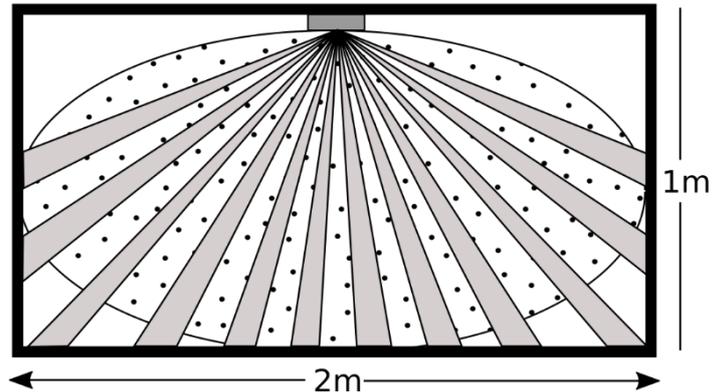
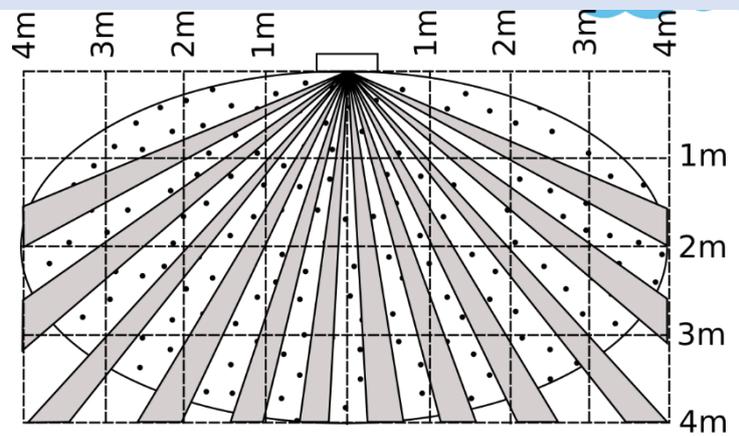
#### 1. Installation guide

Gate WL è is designed to protect gaps like corridors, windows and balconies. It has to be placed horizontally in the middle and on the highest area of the place you need protection on.

Remove the upper lid, remove the board pushing on the finger, carve the preprinted holes on the bottom and secure it with the screws and the pieces to protect with the lens pointing downwards. Do not point the sensor upwards. Its coverage in width is twice its installation height.. Ex: if placed in the middle of a window 1m tall, its coverage in width will be 2 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. ADJUSTMENT

Adjust the range of the microwave through the dedicated trimmer. Select, if necessary, the high sensitivity relevation mode for open gaps that can be crossed on the run (sens jumper inserted) To disable, if requested, the LED display, insert the LED jumper. Close the lid, hooking it on the battery side, and closing it with a screw. Once the lid is closed, the TAMPER will activate; The validation of the correct closure of the tamper is given by an alternating blinking (lasting for a couple of seconds) of the GREEN and RED LEDs. Repeat this operation if necessary.

#### 6. 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. If needed, increase or decrease the range of the microwave. Once the test time is over, the sensor will send out a signal with a green led and will prepare for a correct functioning. To start a new self test, open and close the lid.

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

## 7. MEMORIA ALLARME

When the alarm is switched off, the sensor will report an eventual alarm through the GREEN and RED LED. The memory will be erased at the moment of the next insertion. Active with LED OFF also.

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

**9. 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.

## 10. 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.

## 11 INFORMATION RELATING TO THE DISPOSAL (RAEE GUIDELINE)

- Warning: don't throw this product in the normal trash bin!
- The electrical and electronical 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.

The correct disposal of this product will contribute to the right treatment, recovery and disposal, preventing an eventual negative impact on the environment and on human health. Penalties may be imposed in case of non compliance of the 151/05 Legislative Decree.

## WARRANTY

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

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](http://www.DeTechsrl.it)

DATA	
Power supply	3,6V cc +/-30%
Max absorption	30 uA
Microwave	Strip 10.525 GHz 8 dBm
Alarm length	3 sec.
RFI immunity	0,1/500 MHZ 3V/m
Working temperature	-5°C/+55°C
Radio Freq	868 FM bidirezionale
Humidity	95%

CE ! Clarification				
<del>AT</del>	BE	BG	CY	HR
DK	<del>EE</del>	FI	<del>FR</del>	<del>DE</del>
EL	IE	IT	LV	LT
LU	MT	NL	PL	PT
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ES	<del>SE</del>	HU		