

## 10 - TECHNICAL CHARACTERISTICS

IR SENSOR RANGE	50cm
CRUSHING RESISTANCE	Vehicles with a maximum weight of 20q
BATTERY	12Vdc 7Ah FREE MAINTENANCE SEALED LEAD ACID (OPTIONAL: 12Vdc 17Ah)
AUTONOMY	4 months with standard battery (8 months with optional battery) *
RECHARGE TIME	12 hours (24 hours with 12V/17Ah battery)
BATTERY FUSE	315mA
ACOUSTIC ALARM	85db @ 1m
OPERATING TEMPERATURE	-10°C ÷ +50°C
PROTECTION AGAINST ATMOSHERIC AGENTS	IP 16 Rain, Humidity, Hail. It can not support total immersion.

\* Autonomy is calculated considering No.5 complete pre-alarm cycle a day and No.1 complete alarm cycle of 3 minutes a week

**WARRANTY:** this appliance is guarantee for 24 months from any kind of construction defects (except all parts that are weared for normal use).

Warranty decade whenever occur a manumission of the appliance or it is not use according to user's manual

Free domicile to KERT is necessary to send us ParkAlarm in case of malfunctioning or any kind of problem.

KERT srl is not liable for transport damages or loss.

KERT srl is not liable for damage to people and things that use its products.

**WARNING:** warranty is valid only if ParkAlarm is followed by invoice or receipt.

If they are not available, we refer to construction date increased of 6 months.

*IF YOU ARE SATISFY BY ParkAlarm, SUGGEST IT TO YOUR FRIEND!*

*IF YOU ARE NOT SATISFY BY ParkAlarm, TELL US YOUR SUGGESTIONS TO IMPROVES IT*

**KERT**

SISTEMI DI ENERGIA E ALIMENTAZIONE

**Gobbato**  
APERTURE AUTOMATICHE

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# USER'S MANUAL

## PARKALARM

*PATENTED*

***ELECTRONIC ALARM  
FOR YOUR PARKING  
SPACE***

**Gobbato**  
APERTURE AUTOMATICHE

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## WARNINGS

Thanks for your choice of this new kind of alarm for your car parking space.

### Before to install PARKALARM read carefully this manual

The user's manual gives instructions about safety, installation and operation.

### Preserve this manual

It contains instructions regards the functioning of ParkAlarm and regards the user's safety.

### Preserve or recycle packing materials

The packaging is designed to protect the emergency power supply from transport damages. Warranty does not cover transport damages

## 1 - INTRODUCTION

**PARKALARM™** is an electronic alarm, that assure to you to always find your car parking area free. ParkAlarm can be installed in every kind of place and position, because it is very easy to install by only the four screws in dotation. In add, thanks it's internal battery, is not necessary to connect this device to the main AC line.

Through an infrared ray sensor, it finds all vehicles that occupies your parking area without any permission. A sonorous alarm from the elevated intensity, will act as instead from deterrent, forcing who occupies your parking area to move the car. The signalling will be also of luminous type. Moreover, thanks to the elevated capacity of the sensor, it is possible to intercept also average with one height from elevated earth, which cross-country vehicle, etc... with the maximum height 50cm.

## 7 - BATTERY RECHARGE

Open yellow cover of ParkAlarm and disconnect the battery from the cable (taking care to disconnect the fastons not by wire!!!). Now extract the battery, and replace the cover on its original position.

To recharge this battery, use the battery charger mod. VIK50 gives in dotation.

Connect red faston on battery charger to the + pole of battery (signed in red) and black faston to the - pole of the battery (signed in black). **DO NOT ABSOLUTELY REVERSE THE POLARITY: BATTERY CHARGER CAN BE DAMAGED.** Now connect VIK50 to a 230Vac input socket.

Yellow charge led will be ON until the battery is not completely recharged (about 12 hours). When yellow led is OFF, means that the battery is recharged: it can be connected to the battery charger for long times without any kind of problems, because VIK50 is expressly design for plug charge.

## 8 - OPTIONAL BATTERY

Its available in optional 12V/17Ah battery to increase the autonomy from original 4 months to 8 months. Install the battery as you can see on figure below: battery's poles must be held on the top.

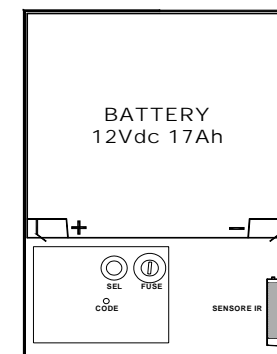


Fig.6

## 9 - IMPORTANT NOTE

- All vehicles with integrated radio transmitter on the dashboard, can control Parkalarm and all Gobato's automation products.
  - Periodically verify that IR sensor is free of dust,leafs, oil etc... that can compromise its functionality. Clean IR sensor and metallic box only with a humid of water cloth. Do not use any kind of solvent or abrasive detergent.
  - As soon as connected the battery you heard "deactivation sound" of ParkAlarm, its necessary to proceed with system RESET as decribe on page 5.
  - Before to call our technical assistance for a presumed damage, check if battery is discharged or if protection fuse is broken. To change it unscrew black cap signed FUSE (see figure 4 on page 5) and substitute it (nominal capacity 315mA).
  - We absolutely suggest to do not install ParkAlarm where could be water stagnation and in all kind of floor where water level can be higher than 3 cm.
- We thoughtless the installation of ParkAlarm in snowy places.

If after system RESET, the alarm continues to ring, it is necessary to repeat radio transmitter memorization (radio transmitter available is P/N TRA2S with two channels or TRA3S with three Channels). Radio transmitter memorization is described on a white label fixed on the internal side of the yellow cover of ParkAlarm.

**FOR TRANSMITTERS MEMORIZATION FOLLOW INSTRUCTIONS BELOW AND SEE FIG.4 ON PAGE 5**

Cover IR sensor: the alarm starts to ring and CODE led is ON.  
 Push SEL button (see Fig.4) for one second: CODE led starts to blinking.  
 Push a button of radio transmitter from a distance of 50cm.  
 If CODE led is always ON, means that memorization had been made successfully.  
 Repeat these operations for all transmitters that you want to memorize up to 120 pieces

In the end of these operations, fix yellow cover of ParkAlarm: take carefully to insert correctly the cover (you have to center the grid for the antenna) to avoid any kind of damage on the receiver's antenna.  
 Use only the key in dotation to lock No.2 TORX® screws.  
 Now ParkAlarm is ready to use.  
 Now park your car in your parking area and wait that ParkAlarm starts to ring (all alarms cycles are described on table below).  
 Now push button No.1 of your radio transmitter: alarm shut-off and after this you heard a confirmation signal that advises you that the alarm system is OFF.  
 You can shut-off ParkAlarm in every moment.

**RECEIVER ERASING**

If you want to erase all codes stored into receiver, push SEL button (see Fig.4 on page 5) for 5 seconds: led CODE blinks for 3 times and then shut off. Now, all transmitters' code previously stored are erased

**6 - SIGNALLING AND ACOUSTIC ALLARMS**

Table below, describe alarms type and duration that ParkAlarm generate.  
 Alarm sequence is made of: Pre-Alarm, Slow Alarm, Fast Alarm, ParkAlarm deactivation signal with charged battery and discharged battery.  
 When ParkAlarm generate for the first time deactivation signal with discharged battery (No.5 sequentially long beeps), we guarantee a residual autonomy of 20-25 days with standard 12V/7Ah battery. After these time, functionality of Park Alarm is strongly compromised.

RING TONE	ALARM TYPE
BEEP ——— BEEP ——— BEEP BEEP - BEEP (ParkAlarm deactivation)	<b>Pre-alarm and deactivation:</b> Repeat No.6 beeps spaced by a long pause each one. This kind of alarm advises you that you have to shut-off ParkAlarm. When you will deactivate alarm system, No.2 short beeps advise you that ParkAlarm is off and the battery is charged.
BEEP — BEEP — BEEP — BEEP .....	<b>Slow alarm:</b> Repeat a sequence of long beeps for a total time of 90 seconds. This is the first alarm level.
BEEP - BEEP - BEEP - BEEP .....	<b>Fast alarm:</b> Repeat a sequence of fast beeps for a total time of 90s. This is the second alarm level.
BEEEEEP — BEEEEEP — BEEEEEP (ParkAlarm deactivation)	<b>Discharged battery:</b> When battery starts to discharge, ParkAlarm advises you with No.5 long beeps when you shut-off it with radio-transmitter.

**2 - SAFETY INSTRUCTIONS**

All devices described on the present manual will cover the use for which they are created. Every other use will be considered improperly.  
 The manufacturer is not responsible for damages caused by an improper use.  
 When you use an electric device, it is important to respect some rules:  
 - Read carefully this manual before to start with the installation.  
 - Preserve all packaging materials (cardboard box, plastic etc.) must not be left into environment: it could be dangerous for children  
 - Before to start with the installation, verify the integrity of the product.  
 - Disconnect the cable from the battery to the circuit by fasten and not by cables.  
 - Disconnect battery's cable before all cleaning and maintenance operations.  
 - Do not leave disconnected battery inside ParkAlarm: uncovered poles of battery could be short-circuited by an accidental contact with metallic case.  
 - If ParkAlarm does not work correctly, disconnect the battery and do not try to repair it by yourself: call as soon as possible a qualified technician.

WARNING: all informations write in these manual, can be changed without any notice to users.

**STANDARDS**

PARKALARM comply to alarm standard CEI 79.  
 PARKALARM respect these EMC standards: EN 301 489-1/3, EN 300 220-1/3, EN 60335-1 respecting directive 1999/05/EC

**3 - CASE DESCRIPTION**



Fig.1

- On Figure No.1 you can see external cover of ParkAlarm
- 1- IR sensor.
  - 2- No.2 Locking TORX® screws.
  - 3- Alarm's grating.
  - 4- Receiver's antenna.
  - 5- Red lighting spot.

## 4 - HOW PARKALARM WORKS

Parkalarm constantly controls your parking area.

Whenever a car tries to parking in this reserved area, there can be two situations ...

... PARKING SPACE 'S OWNER PARKS IN HIS RESERVED AREA

ParkAlarm detect a vehicles and start to ringing: this is a pre-allarm condition, that advise park's owner that it has to shut-off alarm system through radio transmitter gives in dotation.

Pre-allarm condition goes on for 10 seconds

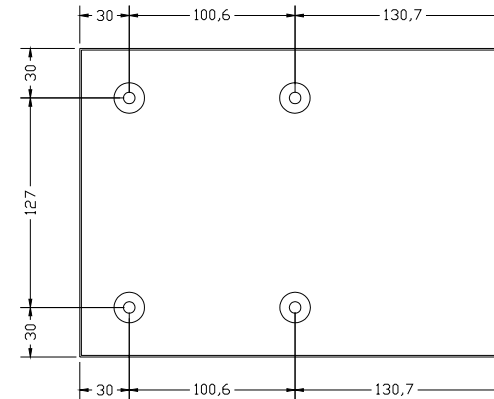
Only just car leaves parking area, **ParkAlarm will be activated automatically by itself.**

**If an unauthorised vehicle parks in your reserved parking area**, ParkAlarm starts to ringing: it starts with the pre-allarm for 10 seconds and then the alarm will be hardly and strongly to passing of time.

In add alarm condition is followed by a blinking high brightness red led positioned on left side of cover.

Total duration of alarm is 3 minutes: if this vehicle remain in its position, ParkAlarm stops to ringing

Only just car leaves parking area, **ParkAlarm will be activated automatically by itself.**



## 5 - INSTALLATION AND FIRST FUNCTIONAL TEST

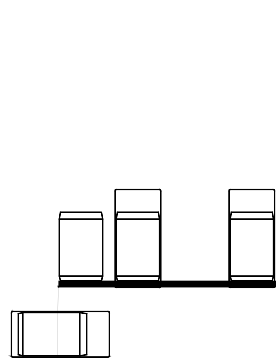


Fig. 2

Fixing surface must be plain and quite flat.

On Figure No.2 you can see the ideal zone to install ParkAlarm: 150 cm from the advanced extremity of your parking area. This position assure you to detect all kind of vehicles.

For installation is enough to do No.4 for holes with a diameter of 8 mm: on Figure No.3, you can see the position of these four fixing holes.

Use screws and dowels gives in dotation.

