SECURITY
SYSTEMS

LINCE

F E E L ■ S E C U R E

LINCE ITALIA S.p.A.

Since 1975 **LINCE ITALIA is recognized as a leader in the Security Industry**.

This success comes from a longstanding experience developed over time with a strong desire to design something that is unique to fit the needs of the installers and fully satisfy the end users.

Entirely made in Italy and appreciated worldwide, our products are in step with market expectations by ensuring all the precision and the cutting edge technology necessary for intrusion alarms.

In a 7,000 square meters Headquarters' premises, located a few kilometers from Rome, LINCE ITALIA focuses on mechanical and electronic design departments so that manufacturing and testing can ensure all compliance with current regulations.

Providing simplicity through technology is the ultimate goal of the LINCE team.

Through **constant commitment to Research and Development**, over the years the Company has produced more than 20 privative industrial patents (know-how, hardware models, etc.).

LINCE is very keen on ecological issues to the point of applying a 400 kW solar panel roofing which effectively contributes to a lower Carbon Foot-Print in manufacturing.

Compliance with all industry regulations are met: the CE marking of products; the Quality Management System ISO 9001: 2015; the Environmental Management System ISO 14001: 2015; Occupational Health and Safety Management System BS OHSAS 18001: 2007; 100% Made in Italy CI ITPI: 2015.

Combining product quality with our ongoing commitment is best guarantee LINCE ITALIA can offer to its customers.

ISO 9001: 2015
Quality Management
System

ISO 14001: 2015
Environmental Management
System

BS OHSAS 18001: 2007
Occupational Health and
Safety Management System

CI ITPI: 2015
100% Made in Italy
Certificate

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9504-GOLD-DT

9509-GOLD-LESW

9557-GOLD-OUT

9518-GOLD-OBLO/L

9507-GOLD-TP

Bidirectional and Dual Frequency on 5 channels

Transmission distance up to 1.5 km in free air

Peripherals' setting directly from the control panel

DES function (Detection Event Stored) to manage detection in the absence of communication

Complete outdoor protection

Detectors made of polycarbonate and provided with anti-mask

Compliant with EN 50131 Grade 2

9506-GOLD-DT/Z

9503-GOLD-BABY

9571-GOLD-TOSCA-MST

9502-GOLD-BOBBY-AM

9573-GOLD-TCH-EN

4131CONTACTLESS

9511-GOLD-RC

9572-GOLD-GSM-EN

9547-GOLD-SOFT

GOLD 869

Wireless
System GOLD 869
Series

Being **a latest generation bidirectional system**, peripherals know the system status (on/off); when the system is disarmed, the peripherals are in standby mode, with the exception of tampering, so contributing to batteries saving. **When the system is armed, the detectors are not inhibited after the first detection**, but continue to detect the intruder, becoming safe as a wired system. **All the peripherals can be configured directly from the control panel** (selectable sensitivity of the PIR, microwave flow rate, AND or OR, etc.). Adding the GSM card to control panel it is possible a **complete remote management** via SMS, **through LinceGSM APP**. The system **can be programmed with the appropriate software** item 9547-GOLD-SOFT (multi-platform Java based PC software) from computer. **The GOLD-TOSCA is compliant with EN 50131-1, grade 2**. Housed in a metal box, able to contain a battery up to 7.2 Ah (not supplied), it is provided with a 2 A switching power supply. For flexibility of use, the control panel is supplied without control devices.
Dimensions: 360 x 200 x 85 mm.

Wireless System
GOLD 869 Series

WIRELESS CONTROL PANEL

9571-GOLD-TOSCA-MST

The **TOSCA** wireless control panel GOLD series is provided with **64 wireless inputs and 5 wired inputs, expandable to 30**. Compatible with all devices of the GOLD series, indoor and outdoor detectors, magnetic contacts, sirens and remote controllers. **The communication protocol is digital and operates on 5 channels**, over the frequencies from 868.00 to 869.65 MHz; **the wireless range from the control panel to the peripherals is up to 1.5 km in free air**. The safety and reliability of the wireless communication is guaranteed by **FH** (Frequency Hopping), by **TDMA** (Time Division Multiple Access) and **AES** (Advanced Encryption Standard).
The system is equipped with the **DES** (Detection Event Stored) function: in the event of a lack of communication between the detector and the control panel (eg., attempts to jamming or environmental disturbances), the detector keeps alarms in memory and communicates them to the control panel when communication is restored.
The 869 control panel is also equipped with a **SLEEP function**: this option allows the system to place the wireless devices in a sleepy state (in which they do not transmit and detect) at low power consumption if the control panel is removed or switched off for eventual maintenance. The system is also able to **detect and signal interferencies (jammer)** when the noise level is high enough to degrade the correct transmission between the devices. The long life of the peripheral batteries is guaranteed by a sophisticated software that modulates the output power of the transmissions between the control panel and peripherals, according to their distance.

Specifications

- Frequency: 869.40 MHz - 869.65 (1 channel)
  - 868.00 MHz - 868.60 MHz (4 channels)
- FH - Frequency Hopping
- TDMA - Time Division Multiple Access
- AES - Advanced Encryption Standard
- DES - Detection Event Stored
- Wireless range: up to 1.5 km in free air
- Wired inputs: 5 expandable to 30
- Wireless inputs: up to 64 (detectors, sirens, remote controllers)
- N.C. Zone 24 h: 1 input
- Output Alarm Relays: 1 (8 A double exchange)
- Arming/Disarming Areas: 3
- Arming/Disarming Programs: 7 (combinations of areas)
- Outputs: 1 General Failure (W), 1 System Status (OFF), 4 programmable open collector (max 80 mA)
- Event log: non-volatile memory, 512 events with filter query
- User codes: up to 32
- Access level of users: Admin, User, Installer
- Power Supply: 230 Vac 50 Hz
- Power Adapter: 13.8 Vdc 2 A
- Dimensions: 360 x 200 x 85 mm

AVAILABLE ACCESSORIES

1112LI7,2-12 • Lead battery 12 V 7.2 Ah

GOLD Series

Wireless System GOLD 869 *Series*

WIRELESS CONTROL PANEL

9501-GOLD-TOSCA

TOSCA wireless control panel GOLD series provided with **64 wireless inputs and 2 wired inputs, expandable to 7**. The programming and the managing of the system can be done from the keyboard of the control panel or through a PC with the SW item 9547-GOLD-SOFT. The TOSCA GOLD is compliant with EN 50131-1 Grade 2 and is housed in an ABS case - type flame retardant - that can contain a 2.2 Ah lead battery (not included). The installation is simplified thanks to a system of quick coupling for connection to the the main power supply network without the need to open the control panel. **Display 16 x 2, blue colour, backlit**. Dimensions: 325 x 215 x 50 mm.

Available Versions

9546-GOLD-TOSCA-GSM • Control panel with 64 zones and GSM programmer card included

AVAILABLE ACCESSORIES

474LI2,2-12 • Lead battery 12 V 2.2 Ah

9572-GOLD-GSM-EN

GSM programmer card to be lodged inside the control panel housing.

Specifications

- Loads O.C. Outputs: 2
- Vocal messages: BUS alarm, 24 h alarm, Alarms, Loads status and responder
- Vocal messages recording: TTS (Text To Speech)
- Programming and managing: SMS (LinceGSM APP for iOS and Android)
- Phone numbers stored: 16
- Room surrounding: independent from alarm status
- Memory: Non-volatile storage of settings in case of power failure
- Alarm in progress block: local keyboard or remotely via the dedicated terminal
- SIM status: residual credit and expiring through SMS
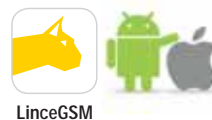
LinceGSM

9511-GOLD-RC

Remote controller works from the frequency 869.40 MHz to 869.65 MHz and can be connected **with all the control panels of the GOLD 869 Series. With two keys is possible to select the activation programs (seven combinations)**, activate the panic function and request the status of the system.

9573-GOLD-TCH-EN

Wired keypad with LCD touch-screen display, modern style and easy to use. It can be connected via BUS to all GOLD 869 Series control panels. It can be used to handle all operations such as queries, inclusions, exclusions, partitions, event log view and system management. You can also set combinations of favorite programs for fast insertions; it is also provided with the "emergency lamp" function. White colour. Dimensions: 145 x 80 x 17 mm.

Available Versions

9573-GOLD-TCH-EN • Wired keypad with LCD touch-screen display, white colour
9574-GOLD-TCH-EN-B • Wired keypad with LCD touch-screen display, black colour

9547-GOLD-SOFT

JAVA-based multi-platform **programming SW** (Windows, Mac OS, Linux). Complete system programming via serial-USB cable connection. Import-export configurations. Control panel Firmware Update.

Available Versions

9547-GOLD-SOFT • Multi-platform programming SW, serial-USB cable connection
9565-GOLD-SOFT-WIFI • Multi-platform programming SW, connection through Wi-Fi card

GOLD Series

PATENTED 0001427616

watch the video

Wireless System GOLD 869 Series

WIRELESS OUTDOOR SELF-POWERED SIRENS

9518-GOLD-OBLO/L

Wireless bidirectional siren GOLD 869 compatible with all the control panels of the GOLD 869 Series or the TX-RX module item 9521-GOLD-TXRX. The **unconventional and patented form** of the siren is the result of a study aimed at installer's comfort. On the **case, made entirely of unbreakable polycarbonate and resistant to UV rays**, the unaesthetic front screw have been removed and replaced with side screws which also serve as a hinge; **this solution allows the opening of the lid from either right or left side**, avoiding the hassle of having to place the lid/cover somewhere thus avoiding having to step-off the ladder. The internal protection cover panel is also in resistant polycarbonate, it is built into the bottom leverage opening to that it can serve as a tray table to place work tools. The level guage built-in base allows perfect horizontal installation. Stainless steel screws and metal inserts hidden in the plastic provide perfect accessibility even after years in which the siren is subject to weathering; the electronic board undergoes epoxy treatment to protect it from moisture. The most advanced version is provided with a sensor to detect and signal attempts of fire and/or anti-foam sabotaging by its **optical and power system "WIN³" (three power sources)**.

The WIN³ function allows to supply the siren through three different modes. When there is an external power supply (11-15 Vdc) the WIN³ system allows the siren to have the same performance as a wired siren (system status LED always on with activated system, life test function, alarm memory function, duration of sound alarm - continuous and discontinuous - of 5 minutes instead of 3 minutes in wireless mode, inhibition after 1 minute instead of 3 minutes in wireless mode). When external power is missing the WIN³ system sets the siren automatically as wireless, adapting the power function options for optimizing consumption.

Specifications

- WIN function (Wired Interface Network):
  - External power WIN (11-15 Vdc) and internal secondary battery (rechargeable lead 12 V 2.2 Ah)
  - External power WIN (11-15 Vdc) and internal primary battery (non-rechargeable Li-MnO$_2$ 9 V)
  - Internal primary battery (non-rechargeable Li-MnO$_2$ 9 V)
- Stand-by consumption:
  - Advanced version - 40 µA (with advanced function on)
  - Basic version - 25 µA
- Maximum alarm consumption:
  - Battery power supply - 640 mA (maximum volume)
  - External power WIN - 930 mA (maximum volume)
- Operating frequency: 1,800 Hz
- Sound pressure:
  - Battery power - 115 dB SPL(A) @ 1 m
  - External power WIN - 119 dB SPL(A) @ 1 m
- Wireless communication protocol: GOLD 869
- Frequency: 869.40 MHz - 869.65 (1 channel)
  - 868.00 MHz - 868.60 MHz (4 channels)
- Wireless range: up to 1.5 km in free air
- FH: Frequency Hopping
- TDMA: Time Division Multiple Access
- AES: Advanced Encryption Standard
- Anti-foam protection: present
- Anti-flame protection: present
- Sound time-out:
  - Battery power supply - 3 minutes (continuous and discontinuous sound)
  - External power supply - 5 minutes (continuous and discontinuous sound)
- Optical signalling: LED
- Life test optical signalling: present by one flash every 60 s (only in WIN mode power supply)
- System status optical signalling: present
- Acoustic signalling of system arming and disarming: present
- Selectable frequency: present
- Autotest function: speaker integrity check, testing power supply, driver check
- Alarm memory function: present
- Local tamper function: present
- Selectable volume: present
- Material: polycarbonate
- Fixing screws: steel on brass inserts
- Degree of protection: IP43
- Conformity: EN 50131-4 (Grade 2)
- Environmental class: IV
- Operating temperature: -25 °C ÷ +60 °C
- Dimensions: 277 x 251 x 72 mm
- Weight: 1.4 kg (without battery)

Available Versions

9518-GOLD-OBLO/L • Wireless outdoor GOLD 869 siren with WIN³ function, anti-foaming, anti-flame and adjustable volume
9510-GOLD-OBLO • Wireless outdoor GOLD 869 siren

AVAILABLE ACCESSORIES

474LI2,2-12 • Lead battery 12 V 2.2 Ah
001515/00251AA • Lithium battery 9 V 12 Ah

9560-GOLD-SAXA

Wireless self-powered outdoor siren SAXA compatible with all the control panels of the GOLD 869 series; the wireless range is up to 1.5 km in free air. With a case in ABS, **it is provided with optical and acoustic signalling and protection against opening and tearing**.
Equipped with a high-power magneto-dynamic speaker 114 dB @ 1 m, with a fundamental sound frequency of 1,750 Hz - volume can be adjusted from the control panel. SAXA siren can house a 6 V, 12 Ah battery (item 001515/00289AA, not supplied) and complies with CEI EN 50131-4 Grade 2, environmental class IV.

Specifications

- Wireless communication protocol: bidirectional GOLD 869
- Transmission frequencies: 869.40 MHz - 869.65 MHz (1 channel) • 868.00 MHz - 868.60 MHz (4 channels)
- FH: Frequency Hopping
- TDMA: Time Division Multiple Access
- AES: Advanced Encryption Standard
- Transmission range: up to 1.5 km in free air
- Standby absorption: 25 µA
- Alarm absorption: battery powered - 700 mA (maximum volume)
- Self-test: speaker integrity check, power test, driver check
- Alarm memory function: present
- Local tamper function: present
- Visual indication of system arming/disarming: by LED
- Sound system arming/disarming signal: present
- Fault reporting: on control panel
- Protection against reverse polarity (battery): present
- Protection against removal from the wall (anti-tearing): present

- Siren tone selection: from control panel
- Optical signaling: by LED flash
- Protection against the removal of the cover: present
- Duration of acoustic signalling: limited (3 minutes)
- Duration of optical signalling: as long as alarm duration
- Battery check: every 5 minutes
- Speaker control: present
- Built-in anti-sabotage circuit: present
- Tropicalized electronic board: present
- Fundamental sound frequency: 1,750 Hz
- Sound pressure: 114 dB @ 1 m
- Degree of protection: IP43
- Operating temperature: -25 °C ÷ +60 °C
- Case: ABS
- Conformity: CEI EN 50131-4 (Grade 2)
- Environmental class: IV
- Dimensions: 190 x 270 x 70 mm
- Package weight: 1.5 kg

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AVAILABLE ACCESSORIES

001515/00289AA • Lithium battery 6 V 12 Ah

9549-GOLD-SMART

Wireless bidirectional siren GOLD 869 compatible with all GOLD series control panels. With a case in ABS, **it is provided with optical and acoustic signalling and protection against opening and tearing**. Equipped with a high-power magneto-dynamic speaker, with a fundamental sound frequency of 1,750 Hz.

AVAILABLE ACCESSORIES

001515/00289AA • Lithium battery 6 V 12 Ah

GOLD Series

3D VOLUMETRIC COVERAGE CHART

3D CURTAIN COVERAGE CHART - 90° BEAMS

Wireless System GOLD 869 *Series*

WIRELESS OUTDOOR TRIPLE TECHNOLOGY PET-IMMUNITY DETECTOR

9502-GOLD-BOBBY-AM

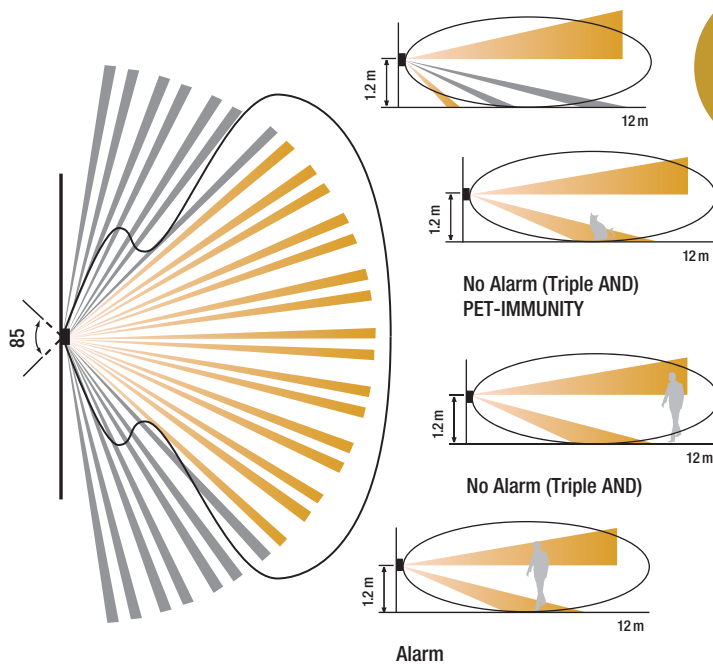*High reliability wireless networking*

Outdoor wireless detector GOLD 869 Series with wireless range up to 1.5 km in free air. **Detection through two passive infrared sensors and one 24 GHz microwave**, installation height from 1 to 1.2 m, detection range 12 m (15 m for the volumetric versions without MW), horizontal coverage 85°. Settings executable directly from the control panel such as AND/OR settings (triple AND, double OR, microwave exclusion etc.), PIR sensitivity, microwave range, and anti-masking detection range. **The micrometric control of the lower PIR allows to adjust the detection range from 3 to 12 m**. Provided with optical anti-masking system and protection against opening and tearing; made entirely of unbreakable polycarbonate resistant to UV rays with **Fresnel lens made in USA and sun filters made in Japan**. 4 signaling LEDs including 2 green for PIRs, 1 yellow for microwave and 1 red for alarm. *Pet-Immunity* **if used in triple AND**. Stainless steel fixing bracket (supplied) and pole brackets available on request. **Provided with a WIN system** (12 Vdc external power supply) is normally powered by a non-rechargeable lithium battery 2/3 A 3.6 V 1,700 mAh (supplied). Using the WIN function (Wired Interface Network) is possible to supply the device through the main power, thus the microwave is always on and the detection has **the same performance of a wired detector**; with the WIN function is also possible to avoid the inhibition function after the first detection. Connector for additional battery provided. Environmental class IV (EN 50131-1), radio frequency immunity in accordance with EN 50130-4, IP44 degree of protection. Operating temperature -25 °C ÷ +60 °C. Dimensions: 81 x 76 x 189 mm.

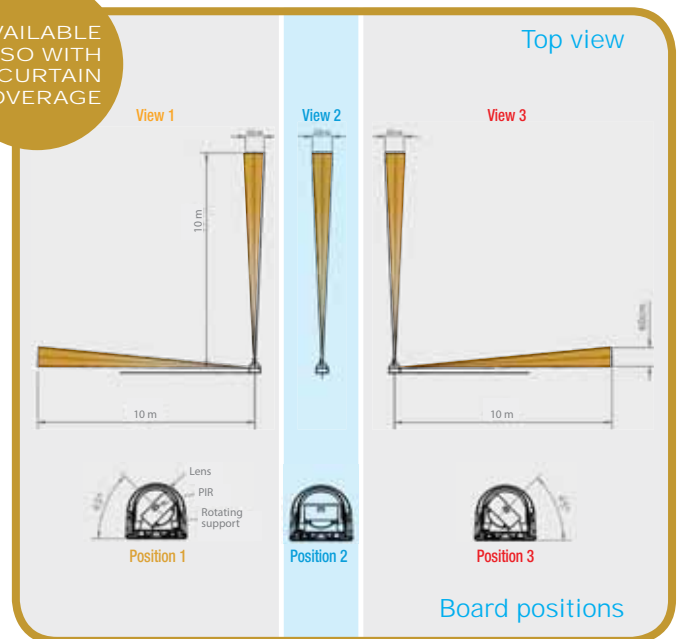*GOLD Series*

Wireless System GOLD 869 *Series*

WIRELESS OUTDOOR TRIPLE TECHNOLOGY PET-IMMUNITY DETECTOR
High reliability wireless networking

9502-GOLD-BOBBY-AM

AVAILABLE ALSO WITH CURTAIN COVERAGE

No Alarm (Triple AND) PET-IMMUNITY

No Alarm (Triple AND)

Alarm

Top view

View 1 · View 2 · View 3

Position 1 · Position 2 · Position 3

Lens
PIR
Rotating support

Board positions

Specifications

- Detection: 2 PIRs + 24 GHz microwave
- Power supply: Lithium battery 2/3A 3.6 V 1,700 mAh (included)
- Power consumption: 35 µA
- Frequency: 869.40 MHz - 869.65 (1 channel)
  - 868.00 MHz - 868.60 MHz (4 channels)
- Wireless range: up to 1.5 km in free air
- LEDs: 4 (Green - PIR 1, Green - PIR 2, Yellow - MW, Red - Alarm)
- Sensitivity: independent for each technology and adjustable from the control panel
- AND/OR function: triple AND • (PIR1 OR PIR2) AND MW • PIR1 AND MW • PIR2 AND MW (MW excluded)
- *Pet-Immunity:* discrimination of pets if set in triple AND or double AND (IR with MW excluded)
- Detection Range: adjustable from 3 to 12 m, 85°

- Anti-masking function: 2 sensors, 1 for each PIR (excludable)
- Adjustable lower PIR: Micrometer (patented)
- Sun Anti-blinding: through mechanical filters with high efficiency
- Electronic circuit: epoxy-protected against moisture
- Housing: Polycarbonate and Fresnel lens UV resistant
- Tearing and tampering: microswitch
- Bracket for wall fixing: stainless steel (supplied)
- Degree of Protection: IP44
- Connector for additional battery: provided
- Environmental Classification: Class IV (EN 50131-1)
- RF immunity: compliant to EN 50130-4
- Operating Temperature: -25 °C ÷ +60 °C
- Dimensions: 81 x 76 x 189 mm
- Weight (brackets included): 0.40 kg

Available Versions

9502-GOLD-BOBBY-AM • 2 PIRs+MW 24 GHz, AM, 12 m detection range, 85°

9553-GOLD-BOBBY-AM-E • 2 PIRs, AM, 15 m detection range, 85°

9514-GOLD-BOBBY/E • 2 PIRs, 15 m detection range, 85°

9554-GOLD-BOBBY-AM-T • 2 PIRs+MW 24 GHz with curtain coverage, AM, 10 m detection range, 5°

9555-GOLD-BOBBY-AM-T-E • 2 PIRs with curtain coverage, AM, 10 m detection range, 5°

9556-GOLD-BOBBY-T-E • 2 PIRs with curtain coverage, 10 m detection range, 5°

AVAILABLE ACCESSORIES

1819KR-KIT • Heater kit with hygrometer and temperature sensor (usable with WIN power supply)

1820COVERKIT • Rain cover for BOBBY series

1821KR-KIT/E • Heater kit with temperature sensor (usable with WIN power supply)

1951-SB5 • Bracket to rotate the BOBBY detector of 5° and eliminate eventual blind corners (only for volumetric versions)

1955-FB • Extra spacing to distance the BOBBY detector from the installation wall

001515/00198AB • Lithium battery 3.6 V 1,700 mAh

001805/00102AA • Stainless steel pole bracket Kit

GOLD Series

Wireless System GOLD 869 Series
## WIRELESS OUTDOOR TRIPLE TECHNOLOGY CURTAIN DETECTOR

9503-GOLD-BABY

High reliability wireless networking

Wireless outdoor triple technology curtain detector GOLD 869 Series with wireless range up to 1.5 km in free air. Detection through two passive infrared sensors and one 24 GHz microwave; installation height up to 4 m to guarantee a detection range up to 5 m. Settings executable directly from the control panel such as AND/OR settings (triple AND, double OR, microwave exclusion etc.), PIR sensitivity, microwave range, and anti-mask detection range. Made entirely of unbreakable polycarbonate with **Fresnel lens made in USA**, both resistant to UV rays. 4 signaling LEDs including 2 green for PIRs, 1 yellow for microwave and 1 red for alarm. *Pet-Immunity* if used in triple AND, thanks to the setting of the MW and of the passive infrared sensors. **Provided with optical anti-masking system and microswitches against opening and tearing**; **provided with a WIN system** (12 Vdc external power supply) is normally powered by a non-rechargeable lithium battery AA 3.6 V 2,200 mAh (supplied). Using the WIN function (Wired Interface Network) is possible to supply the device through the main power, thus the microwave is always on and the detection has **the same performance of a wired detector**; with the WIN function is also possible to avoid the inhibition function after the first detection.

Typical installation between window and shutter or completely outdoor for protection of gates through the special support item 1894SBP (optional). It is possible to recognize through the CWS the direction of crossing. Environmental class III (EN 50131-1), radio frequency immunity in accordance with EN 50130-4, IP55 degree of protection.

Operating temperature -25 °C ÷ +50 °C . Dimensions: 256 x 34 x 41 mm.

GOLD Series

9503-GOLD-BABY

ADJUSTABLE DETECTION RANGE
(from 0.4 to 4 m)
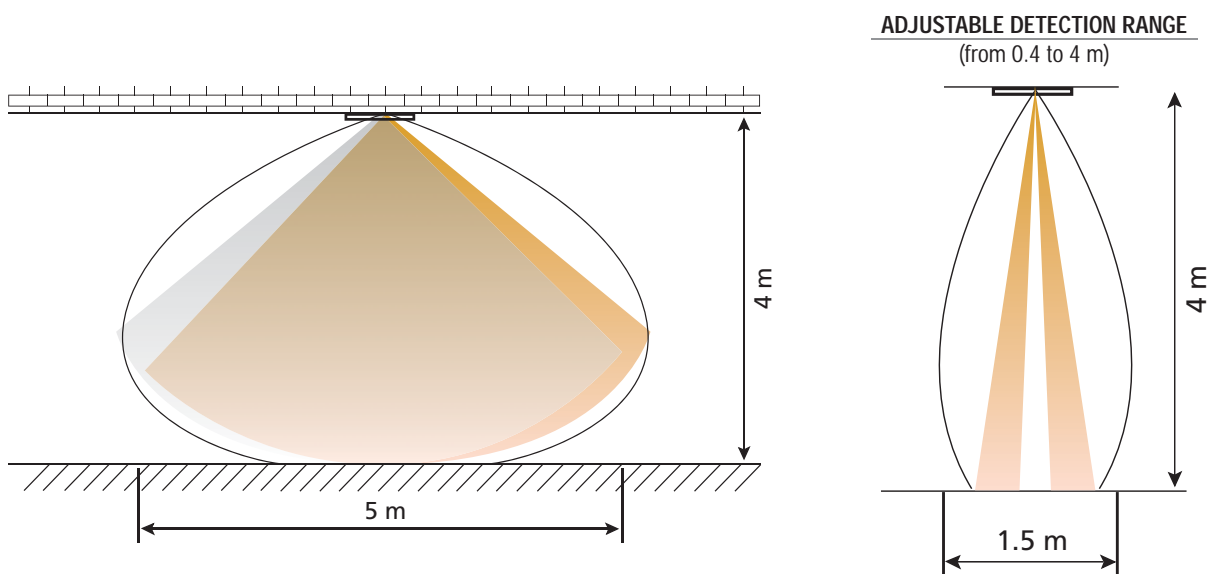
Specifications

- Detection: 2 PIRs + 24 GHz microwave
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Power consumption: 32 µA
- Frequency: 869.40 MHz - 869.65 (1 channel) • 868.00 MHz - 868.60 MHz (4 channels)
- Wireless range: up to 1.5 km in free air
- LEDs: 4 (Green - PIR 1, Green - PIR 2, Yellow - MW, Red – Alarm)
- Sensitivity: independent for each technology (PIR/MW/AM)
- AND/OR function: triple AND • (PIR1 OR PIR2) AND MW • PIR1 AND PIR2 (MW excluded)
- *Pet-immunity:* discrimination of pets if set in triple AND (adjusting the detection height)
- Detection Range: up to 5 m if placed at 4 m of height
- Anti-masking function: 2 sensors, 1 for each PIR (16 adjustment levels)
- CWS function: desensitizing one of the two PIRs to determine the direction of crossing
- Electronic circuit: epoxy-protected against moisture
- Housing: Polycarbonate and Fresnel lens UV resistant
- Tearing and tampering: microswitch
- Degree of Protection: IP55
- Environmental Classification: Class III (EN 50131-1)
- RF immunity: compliant to EN 50130-4
- Operating Temperature: -25 °C ÷ +50 °C
- Dimensions: 256 x 34 x 41 mm
- Weight: 0.15 kg

Available Versions

9503-GOLD-BABY • 2 PIRs+MW 24 GHz, AM and WIN, white colour
9513-GOLD-BABY/M • 2 PIRs+MW 24 GHz, AM and WIN, brown colour
9515-GOLD-BABY/E • 2 PIRs, white colour
9517-GOLD-BABY/EM • 2 PIRs, brown colour

AVAILABLE ACCESSORIES

1904CPB-B • White wedge to adjust the detection angle
1905CPB-M • Brown wedge to adjust the detection angle
1894SBP • Bracket for outdoor wall installation, protected against opening and tearing
001515/00205AB • Lithium battery 3.6 V 2,200 mAh

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*GOLD Series*

Wireless System GOLD 869 Series

WIRELESS DUAL TECHNOLOGY DETECTORS

9504-GOLD-DT

High reliability wireless networking

The **wireless, dual-technology detector for indoor environment** is composed by one dual PIR sensor and one 24 GHz microwave. Designed to deliver maximum performance in difficult environments in terms of detection, immunity to false alarms and transmission distance. **Provided with the WIN function (Wired Interface Network)** that allows to supply the device through the main power, thus the microwave is always on and the detection has **the same performance of a wired detector**; with the WIN function is also possible to avoid the inhibition function after the first detection. Equipped with a bracket for wall or ceiling installations - at an ideal height of 2.1 m - its detection range is up to 12 m, with 90° opening. Three LED indicators for PIR, MW and alarm. Also available as curtain version (with 8° opening).

Specifications
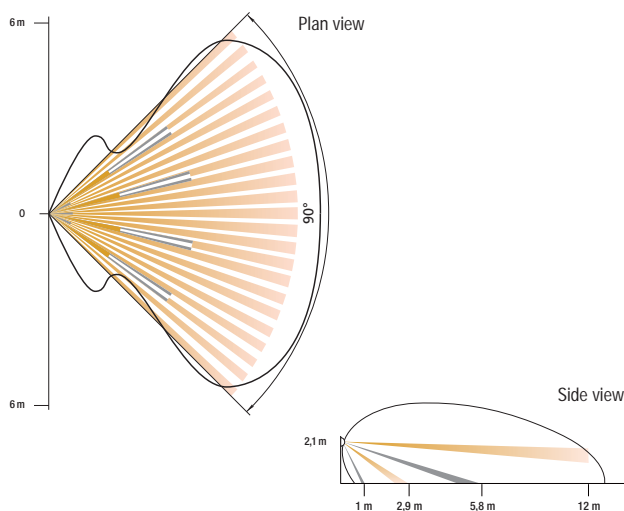
Plan view

6 m

0

90°

6 m

Side view

2,1 m

1 m   2,9 m   5,8 m   12 m

- Detection: PIR + 24 GHz microwave
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Power consumption: 12 µA
- Frequency: 869.40 MHz - 869.65 (1 channel)
  • 868.00 MHz - 868.60 MHz (4 channels)
- Wireless range: up to 1,300 m in free air
- LEDs: 3 (Green - PIR, Yellow - MW, Red - Alarm)
- Sensitivity: independent for each technology and adjustable from the control panel
- AND/OR function: adjustable from the control panel
- Detection Range: 12 m
- Tamper: microswitch
- Anti-mask function: active IR
- Environmental Classification: Class I (EN 50131-1)
- RF immunity: compliant to EN50130-4
- Operating Temperature: +5 °C ÷ +40 °C
- Dimensions: 71 x 102 x 56 mm
- Weight: 0.60 kg

Available Versions

9504-GOLD-DT • PIR+MW 24 GHz, AM, 12 m detection range, 90°. Bracket included

9531-GOLD-DTE • PIR+MW 24 GHz, 12 m detection range, 90°. Bracket included

9525-GOLD-IR • PIR, 12 m detection range, 90°. Bracket included

9505-GOLD-DT/T • PIR+MW 24 GHz with curtain coverage, AM, 12 m detection range, 8°. Bracket included

9532-GOLD-DTE/T • PIR+MW 24 GHz with curtain coverage, 12 m detection range, 8°. Bracket included

9526-GOLD-IR/T • PIR with curtain coverage, 12 m detection range, 8°. Bracket included

AVAILABLE ACCESSORIES

001515/00205AB • Lithium battery 3.6 V 2,200 mAh

GOLD Series

Wireless System GOLD *869* *Series*

**WIRELESS DUAL TECHNOLOGY DETECTORS**

9506-GOLD-DT/Z

High reliability wireless networking

The **wireless, dual-technology, indoor detector for ceiling installation** consists of one dual PIR sensor and one 24 GHz microwave. Designed to deliver maximum performance in difficult environments in terms of detection, immunity to false alarms and transmission detection. **Provided with the WIN function (Wired Interface Network)** that allows to supply the device through the main power, thus the microwave is always on and the detection has **the same performance of a wired detector**. Elliptical detection with a maximum diameter of 11.4 m if installed at 4 m height. Three LED indicators for PIR, MW and alarm.

Specifications

- Detection: PIR + 24 GHz microwave
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Power consumption: 12 µA
- Frequency: 869.40 MHz - 869.65 (1 channel)
  - 868.00 MHz - 868.60 MHz (4 channels)
- Wireless range: up to 1,300 m in free air
- LEDs: 3 (Green - PIR, Yellow - MW, Red - Alarm)
- Sensitivity: independent for each technology and adjustable from the control panel
- AND/OR function: adjustable from the control panel
- Detection Coverage: 11.4 m of diameter installed at 4 m, 360°
- Tamper: microswitch
- Anti-mask function: active IR
- Environmental Classification: Class I (EN 50131-1)
- RF immunity: compliant to EN 50130-4
- Operating Temperature: +5 °C ÷ +40 °C
- Dimensions: ø 129 x 43 mm
- Weight: 0.106 kg

Side view

4 m

11.4 m

5 m
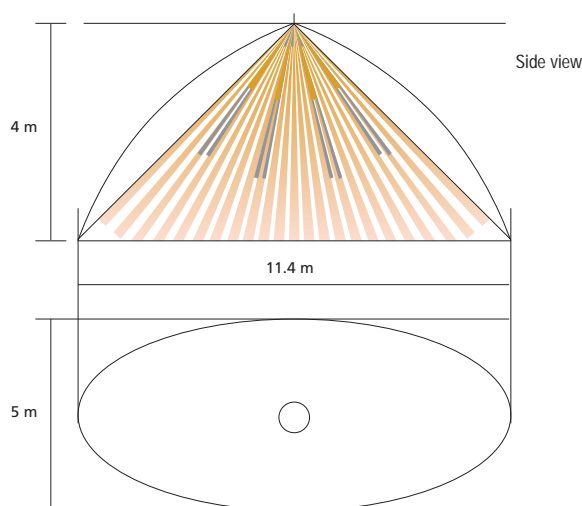
Available Versions

9506-GOLD-DT/Z • PIR+MW 24 GHz, AM, 360° elliptical coverage

9536-GOLD-DTE/Z • PIR+MW 24 GHz, 360° elliptical coverage

9527-GOLD-IR/Z • PIR, 360° elliptical coverage

AVAILABLE ACCESSORIES

001515/00205AB • Lithium battery 3.6 V 2,200 mAh

GOLD Series

Wireless System GOLD 869 *Series*

WIRELESS PERIMETRAL CONTACTS

9509-GOLD-LESW

High reliability wireless networking

Wireless wire contact for rolling shutters. The detector is designed to offer maximum performance in a semi-external environment in terms of detection, immunity to false alarms and transmission distance. Pulse setting is performed directly from the control panel. Placed inside the box and secured, the wire at the bottom of the roller shutter protects it from opening, cutting and tearing, allowing the alarm to be activated even with the roller not completely closed. ABS body with side appendices for sliding application (optional) art. 1829LESW/ST to facilitate fastening. **Patented internal leverage** system to prevent the microswitch stalemate.

Specifications

- Detection: OMRON microswitch activated by patented mechanism
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Power consumption: 12 µA
- Frequency: 869.40 MHz - 869.65 (1 channel) • 868.00 MHz - 868.60 MHz (4 channels)
- Wireless range: up to 1,300 m in free air
- Pulse: 4 ms ÷ 6 ms
- Internal cam: polycarbonate
- Pulse counter: integrated
- Scroll roll: delrin and steel
- Wire length: 2.9 m ÷ 3.1 m
- Environmental Classification: Class II (EN 50131-1)
- RF immunity: compliant to EN 50130-4
- Operating Temperature: -10 °C ÷ +40 °C
- Colour: white
- Dimensions: 145 x 102 x 15.5 mm
- Weight: 0.160 kg

AVAILABLE ACCESSORIES

1829LESW/ST • Fixing bracket

001515/00205AB • Lithium battery 3.6 V 2,200 mAh

GOLD Series

Wireless System GOLD 869 *Series*

WIRELESS PERIMETRAL CONTACTS

9507-GOLD-TP

Perimetral wireless transmitter for the protection of doors and windows. Bidirectional transmission with the control panel; very compact and powered by a 3.6 V 2,200 mA lithium battery (supplied). Designed to provide maximum performance in terms of detection, immunity to false alarms and transmission distance. Provided with additional input for further magnetic contact or wire contact for rolling shutters (integrated pulse counter). Protected against opening and tearing, environmental class II (EN50131-1), radio frequency immunity in accordance with EN 50130-4.

Specifications

- Detection: magnetic contact
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Power consumption: 12 µA
- Frequency: 869.40 MHz - 869.65 MHz (1 channel) • 868.00 MHz - 868.60 MHz (4 channels)
- Wireless range: up to 600 m in free air (for item 9507-GOLD-TP and 9508-GOLD-TP/M)
- Wireless range: up to 1.5 km in free air (for item 9528-GOLD-TP-L and 9529-GOLD-TP-L/M)
- LED: 1 (Red - Alarm)
- Pulse counter: integrated
- Additional input for further magnetic or wire contact: present
- Protection against opening and tearing: microswitch
- Colour: White or brown
- Environmental Classification: Class II (EN 50131-1)
- RF immunity: compliant to EN 50130-4
- Operating Temperature: -10 °C ÷ +40 °C
- Dimensions: 90 x 30 x 28.5 mm (for item 9507-GOLD-TP and 9508-GOLD-TP/M)
- Dimensions: 135 x 35 x 24 mm (for item 9528-GOLD-TP-L and 9529-GOLD-TP-L/M)
- Weight: 0.098 kg (for item 9507-GOLD-TP and 9508-GOLD-TP/M)
- Weight: 0.160 kg (for item 9528-GOLD-TP-L and 9529-GOLD-TP-L/M)

Available Versions

9507-GOLD-TP • Wireless range up to 600 m in free air, white colour

9508-GOLD-TP/M • Wireless range up to 600 m in free air, brown colour

9528-GOLD-TP-L • Wireless range up to 1.5 km in free air, white colour

9529-GOLD-TP-L/M • Wireless range up to 1.5 km in free air, brown colour

AVAILABLE ACCESSORIES

001515/00205AB • Lithium battery 3.6 V 2,200 mAh

GOLD Series

VIDEOVERIFICATION **BOILER IGNITION** **LAMP POWER ON**
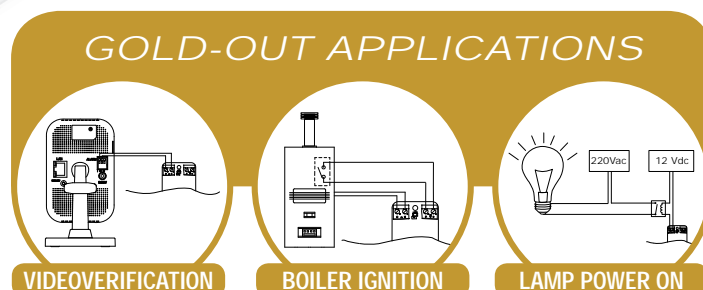
Wireless System GOLD 869 *Series*
WIRELESS OUTPUT MODULE

9557-GOLD-OUT

18

The wireless output module extends the functions of the GOLD 869 system, it is equipped with a relay output that can be controlled by the control panel or by the dialer to **perform applications such as, for example: activating the recording of a camera (videoverification); driving an electric lock; performing home automation tasks**, such as turning on/off an appliance (together with an external relay, not supplied). The wireless output can be associated with a detector and be activated when the latter detects an intrusion; it also has the AND mode to be activated only when the intrusion has been detected by at least two sensors. The wireless output module also has an input useful to check, for example, the loading activation.

Specifications

- Frequency: 869.40 - 869.65 MHz (1 channel) • 868.00 - 868.60 MHz (4 channels)
- Wireless range: up to 1.5 km in free air
- FH: Frequency Hopping
- TDMA: Time Division Multiple Access
- AES: Advanced Encryption Standard
- Transmission protocol: bidirectional
- Peripherals' setting: directly from the GOLD 869 control panel
- Relay output: NC or NO selectable
- Output setting:
  Latching - when the control panel gives the input, the relay changes its status and stays in that status until a further input is given.
  Impulsive - when the control panel gives the input, the relay changes its status and after 1 second goes back to the original one without any further input.
  Monostable - when the control panel gives the input, the relay changes its status; after a time *t* (selectable from 1 min up to 24 h, with steps of 1 min) the control panel gives a new input to bring the relay back to the original state.
- Dimensions: 135 x 35 x 24 mm
- Weight: 0.10 kg

Available Versions

9575-GOLD-GC-OUT • In this version, the wireless output module is integrated with an UPS

AVAILABLE ACCESSORIES

001515/00205AB • lithium battery 3.6 V 2,200 mAh

GOLD Series

Wireless System GOLD 869 *Series*

WIRED CONTACTLESS KEY READER

4131CONTACTLESS

Wired flush mount RFID key reader that allows to arm and disarm GOLD-TOSCA 869 control panel programs without pressing any program selection button **it can be connected with all the control panels of the GOLD 869 Series via BUS**. It allows the reading of the new customised LINCE tags. The inserter is available in four versions by means you can arm/disarm accordingly to the keys' programming ("master" function), or allow a zone selection of the inserter assigning the programs that can be armed/disarmed ("slave" function). In order to be correctly installed in the 503 dum, the inserters require an adapter (not provided) for RJ45 keystone depending on the type of domestic range used.

Specifications

- Maximum consumption: 42 mA (with 4 LEDs ON)
- Minimum consumption: 11 mA (with all LEDs OFF)
- Stand-by consumption: 11 ÷ 16 mA
- Dimensions: 27 x 20 x 32 mm
- Colour: black
- Weight: 0.010 kg

Available Versions

4131CONTACTLESS • Master and Slave function, black colour
4136CONTACTLESS-B • Master and Slave function, white colour
4132CONTACTLESS/M • Master function, black colour
4137CONTACTLESS-B/M • Master function, white colour

AVAILABLE ACCESSORIES

4135ROUND-KEYFOB • RFID round key ring ø 35 mm 125 kHz
4133RFIDCARD • RFID card 85 x 54 mm 125 kHz

4005EUROPLUS/IN

Wired expansion board on BUS for GOLD 869 expandable control panels. It can be onnected to the control panel via three-conductor BUS and allows 5 freely programmable inputs and 4 outputs.
Dimensions: 110 x 105 x 31 mm.

GOLD Series

Specifications

- Frequency: 869.40 MHz - 869.65 (1 channel)
  - 868.00 MHz - 868.60 MHz (4 channels)
- FH - Frequency Hopping
- TDMA - Time Division Multiple Access
- AES - Advanced Encryption Standard
- DES - Detection Event Stored
- Wireless range: up to 1.5 km in free air
- Power supply: 230 V
- Average power consumption (maintenance): 37 W
- Average power consumption (heating): 270 W
- Max resistance power: 300 W
- Max absorption @ 12 V: up to 500 mA during shooting; 60 mA at rest
- Working time without mains power: ~2 h
- Heat up time: ~70 min
- Thermal autonomy: 2.5 h
- Max fog single shot (1.5 m visibility): up to 300 m³
- Max fog single shot (zero visibility)): up to 200 m³
- Max shooting time: 25 s
- Max fog emission (with full tank): 600 m³
- Standard mounting: vertical or corner
- Other mounting: horizontal
- USB port for monitoring: present
- Nozzle anti-tamper: present
- Cover anti-tamper: micro-switch
- Anti-tearing: accelerometer
- Included cylinder: 1 (for vertical mounting)
- Fluid bag capacity: 1 x 400 ml
- Back-up batteries: 6 non-rechargeable AA 1.5 V (not included)
- Batteries' working time: 12 months (with 10 shots)
- Dimensions: 26.5 x 19.0 x 34.5 mm
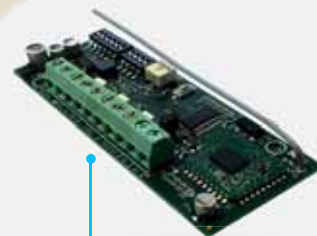- Weight (without cylinder and batteries): 10 kg

Wireless System
GOLD 869 Series

WIRELESS FOGGING SYSTEM

9551-GOLD-FOG

Fogging system ideal to protect small/medium areas like shops, homes, bank ATM machines. It can be wireless connected to all GOLD 869 series control panels. Transmission protocol range up to 1.5 km in free air; **parameters' setting directly from the control panel**. Thanks to an innovative formulation of the fluid with a high percentage of glycol, it ensures a dense fog which is totally impenetrable to the visibility. The perfect insulation system provides very low power consumption that allows you to save costs in comparison with other fogging systems.

An exclusive anti-tamper system allows to detect automatically if the nozzle is tampered and to send an advise signal. The system is designed and manufactured according to the current European standards. The fog fluid is tested and absolutely safe (toxicological certification). They are not dangerous for objects, animals, people and does not leave residuals. White colour.

AVAILABLE ACCESSORIES

001500/00251AA • Cylinder for fogging fluid (vertical)

001500/00251BA • Cylinder for fogging fluid (horizontal)

1931-FOG-ST • bracket for wall mounting

1933-FOG-PU7 • 7 cm nozzle extension

1152SC2PP • 1-output relay board to arm the fogging system (necessary for control panels with NEGATIVE when system is armed)

1932-FOG-SR • 4-outputs relay board to monitor fogging system signals (necessary for control panels with N.C. inputs not managing input balancing)

GOLD Series

9519-GOLD-OBLO/U

Including a special
compartment for
the housing of any other
brand transmitter

1896BOBBY-AM/U

ANY BRAND
CONTROL PANEL

NATIVE CONTROL PANEL
WIRELESS TRANSMISSION
PROTOCOL

1825BABY/U

Universal Wireless Devices

PATENTED
0001371993

*O-ring
Protected*

*Transmitter
compartment
81 x 98 x 184 mm*

Universal Wireless Devices

WIRELESS OUTDOOR TRIPLE TECHNOLOGY PET-IMMUNITY DETECTOR

1896BOBBY-AM/U

UNIVERSAL wireless triple technology outdoor detector; not provided with the radio section but **designed to house a radio transmitter of any brand and make it compatible with any communication protocol**. Detection through two passive infrared sensors and one 24 GHz microwave, installation height from 1 to 1.2 m, with a coverage area of 12 m (15 m for the versions without MW) and opening of 85°. The microprocessor control of the lower PIR allows to adjust the detection range from 3 to 12 m. Settings such as AND/OR settings (triple AND, double OR, microwave exclusion etc.), PIR sensitivity, microwave flow, and mask detection make the detector reliable and flexible. Provided with optical anti-masking system and protection against opening and tearing; made entirely of unbreakable and UV resistant polycarbonate with **Fresnel lens made in USA** and **sun filters made in Japan**. 4 signaling LEDs including 2 green for PIRs, 1 yellow for microwave and 1 red for alarm. *Pet-Immunity* **if used in triple AND**. Pole brackets available on request. Power supply through 3 V to 9 V lithium batteries (not supplied); equipped with **the WIN (Wired Interface Network) function, that allows to supply the device through the main power, thus the microwave is always on and the detection has the same performance of a wired detector**. The WIN function also eliminates the inhibition after the first detection. Dimensions of the transmitter compartment with IP65 degree of protection: 148 x 41.5 x 26.5 mm. Environmental class IV (EN 50131-1), radio frequency immunity in accordance with EN 50130-4, IP45 degree of protection. Operating temperature: -25 °C ÷ +60 °C. Dimensions: 81 x 98 x 189 mm.
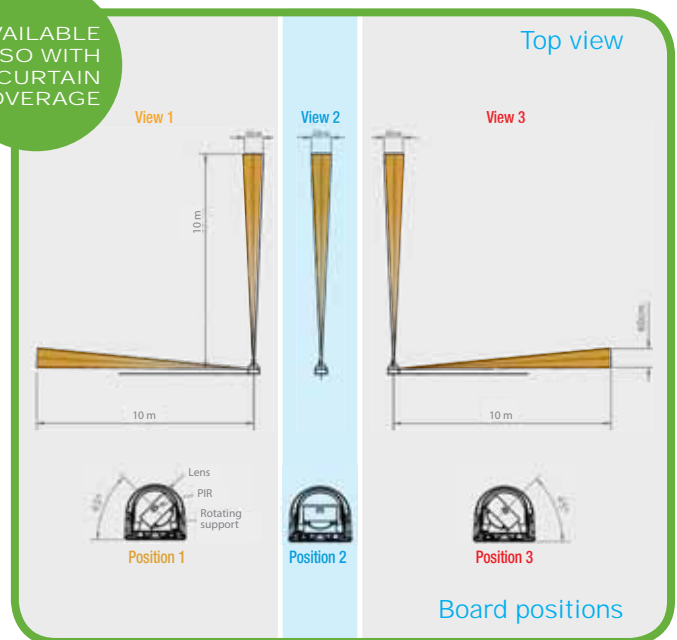
U *Universal Wireless*

Universal Wireless Devices

1896BOBBY-AM/U

AVAILABLE ALSO WITH CURTAIN COVERAGE

No Alarm (Triple AND) PET-IMMUNITY

No Alarm (Triple AND)

Alarm

Top view

View 1   View 2   View 3

Position 1   Position 2   Position 3

Lens
PIR
Rotating support

Board positions
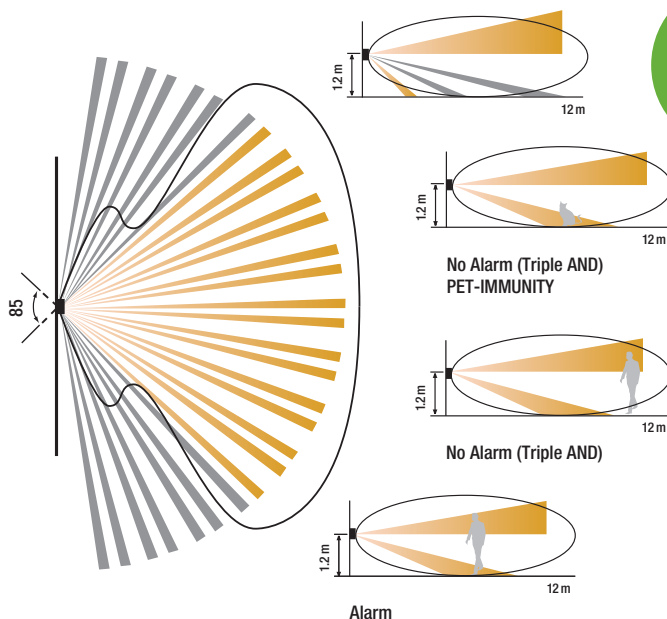
Specifications

- Detection: 2 PIRs + 24 GHz microwave
- Power supply: 3 ÷ 9 Vdc (battery); 10 ÷ 15 Vdc (WIN)
- Power consumption: 10 µA
- Inhibition: 180 s/30 s (dip-switch selectable)
- Sun Anti-blinding: through high efficiency mechanical filters
- Alarm Output: NC-NO-C contact
- Tamper Output: NC-NO-C contact
- Anti-mask Output: NC-NO-C contact
- Temperature compensation: automatic
- Transmitter compartment dimensions: 148 x 41.5 x 26.5 mm (IP65)
- Sensitivity: adjustable and independent for each technology
- AND/OR function: selectable trough DIP-switches - triple AND
  • (PIR1 OR PIR2) AND MW • PIR1 AND PIR2 (MW excluded)
  • PIR1 AND MW (PIR2 excluded)
- *Pet-immunity:* discrimination of pets if set in triple AND
- LEDs: 4 (Green - PIR1, Green - PIR2, Yellow - MW, Red - Alarm)

- Horizontal Coverage angle: 90°
- Detection range: adjustable from 3 to 12 m
- Adjustable lower PIR: Micrometer (patented)
- Detector fixing: on wall (stainless steel bracket supplied) or pole (brackets available on request); installation height from 1 to 1.2 m
- Housing: Polycarbonate and Fresnel lens UV resistant
- Tamper protection: against opening and tearing
- Anti-masking function: 2 sensors, 1 for each PIR (adjustable sensitivity)
- WIN system: present
- Electronic board: epoxy-protected against moisture
- Detector Degree of Protection: IP45
- Environmental class: IV (EN 50131-1)
- Dimensions (transmitter compartment included): 81 x 98 x 189 mm
- Operating Temperature: -25 °C ÷ +60 °C
- Weight (brackets included): 0.82 kg

Available Versions

1896BOBBY-AM/U • 2 PIRs+MW 24 GHz, AM, 12 m detection range, 85°
1897BOBBY-AM/UE • 2 PIRs, AM, 15 m detection range, 85°
1929-BOBBY-UE • 2 PIRs, 15 m detection range, 85°
1696BOBBY/U • 2 PIRs+MW 10.525 GHz, detection range 12 m, 60°
1870BOBBY/UE • 2 PIRs, detection range 12 m, 60°
1926BOBBY-T-AM/U • 2 PIRs+MW 24 GHz with curtain coverage, AM, 10 m detection range, 5°
1928BOBBY-T-AM/UE • 2 PIRs with curtain coverage, AM, 10 m detection range, 5°
1927BOBBY-T/UE • 2 PIRs with curtain coverage, 10 m detection range, 5°

AVAILABLE ACCESSORIES

1951-SB5 • Bracket to rotate the BOBBY detector of 5° and eliminate eventual blind corners (only for volumetric versions)
1819KR-KIT • Heater kit with hygrometer and temperature sensor (usable with WIN power supply)
1821KR-KIT/E • Heater kit with temperature sensor (usable with WIN power supply)
1820COVERKIT • Rain cover for BOBBY series
001805/00092AA • Stainless steel pole bracket kit for Universal BOBBY detectors

Universal Wireless

Transmitter compartment 90 x 23 x 33 mm

O-ring Protected

Universal Wireless Devices

WIRELESS TRIPLE TECHNOLOGY CURTAIN DETECTOR FOR WINDOWS AND DOORS

1825BABY/U

Wireless triple technology curtain detector for indoor and outdoor environment. It has been designed to be used with any other brand wireless system and any transmission protocol and to ensure maximum performance in outdoor environment. **The thin body allows it to be used between window shutter and rolling shutter**, or in outdoor (above a door or a window) with the aid of the bracket 1894SBP. The detector is composed by two dual passive infrared sensors and one 24 GHz microwave; the anti-masking (ON/OFF via DIP-switch) was designed using active IR sensors that, through the **Fresnel lenses made in USA**, have the ability to detect obstacles voluntarily affixed on the lens to prevent detection (spray, tape, paper, etc.). The three sensors, which are managed by a microcontroller, can be combined in different operation modes (triple AND, AND of the MW with each PIR, MW excluded and Double AND of the PIRs).

Using the WIN function (Wired Interface Network) is possible to supply the device through the main power, thus the microwave is always on and the detection has the same performance of a wired detector; with the WIN function is also possible to avoid the inhibition function after the first detection. Particular attention has been paid to the mechanics; a sealing gasket makes waterproof the compartment in which is housed the printed circuit board of the detector and of the transmitter with its battery power.

Universal Wireless

Universal Wireless Devices

WIRELESS TRIPLE TECHNOLOGY CURTAIN DETECTOR FOR WINDOWS AND DOORS

1825BABY/U

ADJUSTABLE DETECTION RANGE
(from 0.4 to 4 m)
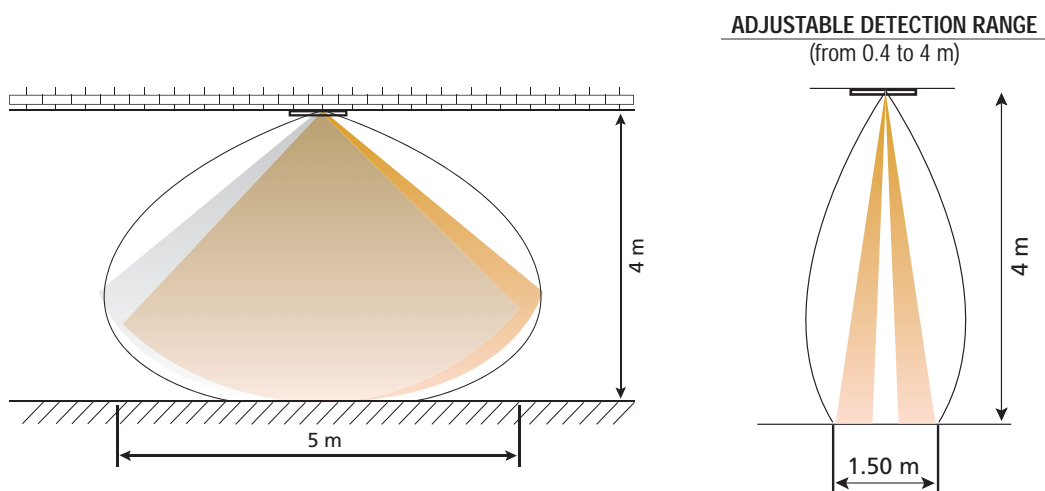
Specifications

- Detection: 2 PIRs + 24 GHz microwave
- Power supply: 2.35 ÷ 15 Vdc
- Power consumption: 10 µA (stand-by) • 25 mA (detection)
- LEDs: 4 (Green - PIR 1, Green - PIR 2, Yellow - MW, Red - Alarm)
- Sensitivity: adjustable and independent for each technology
- AND/OR function: selectable trough DIP-switches, triple AND • (PIR1 OR PIR2) AND MW • PIR1 AND PIR2 (MW excluded)
- Inhibition: 180 s - 30 s selectable
- Detection Coverage: 5 m at an height of 4 m
- Anti-masking Function: active IRs
- Anti-masking Output: NC-NO-C contact
- Alarm Output: NC-NO-C contact
- Tamper Output: NC-NO-C contact
- CWS function: discriminates the crossing direction (selectable)
- WIN function: Wired Interface Network
- Housing: Polycarbonate and Fresnel lens UV resistant
- Tearing and tampering: microswitch
- Degree of Protection: IP55
- Temperature compensation: automatic
- Security Grade: 3 (EN 50131)
- Environmental Classification: Class III (EN 50131-1)
- RF immunity: compliant to EN 50130-4
- Transmitter compartment dimensions: 90 x 23 x 33 mm
- Dimensions: 256 x 34 x 41 mm
- Operating Temperature: -25 °C ÷ +50 °C
- Weight: 0.15 kg

Available Versions

1825BABY/U • 2 PIRs+MW 24 GHz, AM and WIN, white colour

1835BABY-M/U • 2 PIRs+MW 24 GHz, AM and WIN, brown colour

1872BABY/UE • 2 PIRs, white colour

1874BABY-M/UE • 2 PIRs, brown colour

AVAILABLE ACCESSORIES

1904CPB-B • White wedge to adjust the detection angle

1905CPB-M • Brown wedge to adjust the detection angle

1894SBP • Bracket for outdoor wall installation, protected against opening and tearing

1949-SPB-B • Extra fitting space adapter for the transmitter, white colour

1950-SPB-M • Extra fitting space adapter for the transmitter, brown colour

Universal Wireless

LINCE

watch the video

Universal Wireless Devices

WIRELESS SELF-POWERED OUTDOOR SIRENS

9519-GOLD-OBLO/U

Wireless bidirectional siren GOLD 869 including the TX-RX module item 9521-GOLD-TXRX, which allows to connect the GOLD Series wireless sirens to any wired control panel (including other brands); with one module can be combined on a single plant **up to 16 GOLD 869 wireless sirens**. The TX/RX module has two inputs for alarm and system status - NC or NO programmable according to the control panel - and three outputs for independent management of information "battery status", "sabotage" and "fault". By trimmer you can adjust the volume of the matched sirens. **The unconventional and patented form of the siren is the result of a study aimed at installer's comfort**. The case, made entirely of **unbreakable polycarbonate** and **resistant to UV rays**, does not show unaesthetic front screws, which were replaced with side screws which also serve as a hinge. **This solution allows the opening of the lid from either right or left side**, avoiding the hassle of having to place the lid/cover somewhere thus avoiding having to step-off the ladder. The internal protection cover panel is also in resistant polycarbonate, it opens downwards so that it can serve as a bottom tray table to place work tools. **The level gauge built-in base allows perfect horizontal installation**. Stainless steel screws and metal inserts hidden in the plastic provide perfect accessibility even after years in which the siren is subject to weathering; the electronic board is treated epoxy to protect it from moisture. The most advanced version is provided with a sensor to detect and signal attempts of fire and/or anti-foam sabotaging by its **optical system and power systems "WIN³" (three power sources)**. The WIN³ function allows to supply the siren through three different modes. When the OBLO' is battery powered (11-15 V) the WIN³ system allows the siren to have the same performance as a wired siren (system status LED always on with activated system for life test function, alarm memory function, duration of sound alarm - continuous and discontinuous - of 5 minutes instead of 3 minutes in wireless mode, inhibition after 1 minute instead of 3 minutes in wireless mode). When external power is missing the WIN³ system sets the siren automatically as wireless, adapting the power function options for optimizing consumption.

Specifications

Advanced version Power (WIN³):
- External power WIN (11-15 Vdc) and internal secondary battery (rechargeable lead 12 V 2.2 Ah)
- External power WIN (11-15 Vdc) and internal primary battery (non-rechargeable Li-MnO$_2$ 9 V)
- Internal primary battery (non-rechargeable Li-MnO$_2$ 9 V)
- Stand-by consumption:
  - Advanced version - 40 µA (with advanced function on)
  - Basic version - 25 µA
- Maximum alarm consumption:
  - Battery power supply - 640 mA (maximum volume)
  - External power WIN - 930 mA (maximum volume)
- Operating frequency: 1,800 Hz
- Sound pressure:
  - Battery power - 115 dB SPL(A) @ 1m
  - External power WIN - 119 dB SPL(A) @ 1m
- Wireless communication protocol: GOLD 869
- Transmission frequencies: 869.40 MHz - 869.65 MHz (1 channel) • 868.00 MHz - 868.60 MHz (4 channels)
- Wireless range: up to 1.5 km in free air
- FH: Frequency Hopping
- TDMA: Time Division Multiple Access
- AES: Advanced Encryption Standard
- Anti-foam protection: present
- Anti-flame protection: present
- Max sound duration:
  - *Battery power supply* - 3 minutes (continuous and discontinuous sound)
  - *External power supply* - 5 minutes (continuous and discontinuous sound)
- Optical sugnalling: LED
- Life test optical signalling: present by one flash every 60 s (only in WIN mode power supply)
- System status optical signalling: present
- Selectable frequency: present
- Autotest function: speaker integrity check, testing power supply, driver check
- Alarm memory function: present
- Local tamper function: present
- Selectable volume: present
- Material: polycarbonate
- Fixing screws: steel on brass inserts
- Degree of protection: IP43
- Conformity: EN 50131-4
- Environmental class: IV
- Operating temperature: -25 °C ÷ +60 °C
- Dimensions: 277 x 251 x 72 mm
- Weight: 1.4 kg (without battery)

Available Versions

9519-GOLD-OBLO/U • Universal wireless self-powered outdoor siren, with WIN³ function, anti foaming, anti-flame and adjustable volume

9520-GOLD-OBLO/UE • Universal wireless self-powered outdoor siren including TX-RX module

AVAILABLE ACCESSORIES

474LI2,2-12 • Lead battery 12 V 2.2 Ah

001515/00251AA • Lithium battery 9 V 12 Ah

Universal Wireless Devices

WIRELESS SELF-POWERED OUTDOOR SIRENS

9561-GOLD-SAXA-U

Specifications

- Wireless communication protocol: bidirectional GOLD 869
- Transmission frequencies: 869.40 MHz - 869.65 MHz (1 channel) • 868.00 MHz - 868.60 MHz (4 channels)
- FH: Frequency Hopping
- TDMA: Time Division Multiple Access
- AES: Advanced Encryption Standard
- Transmission range: up to 1.5 km in free air
- Consumption in stand-by: 25 µA
- Consumption in alarm status: 700 mA (maximum volume)
- Fundamental sound frequency: 1,750 Hz
- Sound pressure: 114 dB @ 1 m
- Self-test: speaker integrity check, power test, driver check
- Alarm memory function: present
- Local tamper function: present
- Visual indication of system arming/disarming: by LED (6 seconds duration)
- Sound system arming/disarming signal: present
- Fault reporting: on the control panel
- Siren tone selection: from transceiver module
- Optical signalling: by LED flash
- Protection against opening: present
- Protection against reverse polarity (battery): present
- Protection against removal from the wall (anti-tearing): present
- Duration of acoustic signalling: limited (3 minutes)
- Duration of optical signalling: as long as alarm duration
- Battery check: present
- Built-in anti-sabotage circuit: present
- Moisture-sealed electronic board: present
- Degree of protection: IP43
- Operating temperature: -25 °C ÷ +60 °C
- Case: ABS
- Conformity: CEI EN 50131-4 (Grade 2)
- Environmental class: IV
- Dimensions: 190 x 270 x 70 mm
- Package weight: 1.5 kg

The wireless self-powered outdoor siren SAXA is compatible with all the control panels of the GOLD 869 Series; the wireless range is up to 1.5 km in free air. It includes the GOLD-TXRX transceiver module (9521-GOLD-TXRX), which makes it compatible with any brand control panels. With a case in ABS, **it is provided with optical and acoustic signalling and protection against opening and tearing**. Equipped with a high-power magnetodynamic speaker the siren has a sound pressure of 114 dB @ 1 m, with a fundamental sound frequency of 1,750 Hz; the volume can be adjusted from the transceiver module. SAXA siren can house a LiMnO$_2$ 6 V, 12 Ah battery (item 001515/00289AA, not supplied) and complies with CEI EN 50131-4 Grade 2, environmental class IV.

AVAILABLE ACCESSORIES

001515/00289AA • Lithium battery 6 V 12 Ah

9550-GOLD-SMART-U

The wireless bidirectional siren **GOLD 869** compatible with all the control panels of the GOLD 869 Series includes the **TX-RX module item 9521-GOLD-TXRX**, which allows **to connect the GOLD Series wireless sirens to any wired control panel (including other brands)**; with one module can be combined on a single plant up to 16 GOLD 869 wireless sirens. Case in ABS; optical and acoustic signalling and protection against opening and tearing. Equipped with a high-power magnetodynamic speaker, with a fundamental sound frequency of 1,750 Hz.

AVAILABLE ACCESSORIES

001515/00289AA • Lithium battery 6 V 12 Ah

Universal Wireless

Universal Wireless Devices

TX-RX MODULE
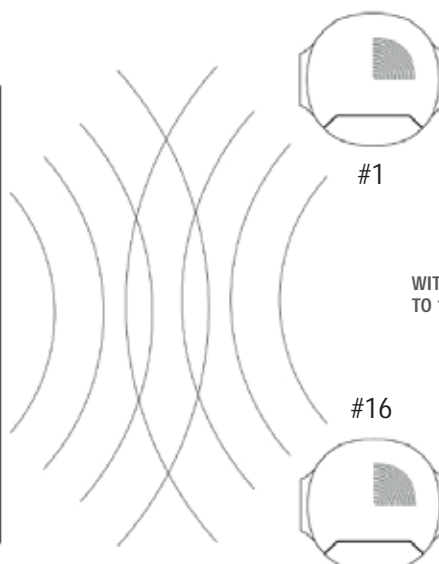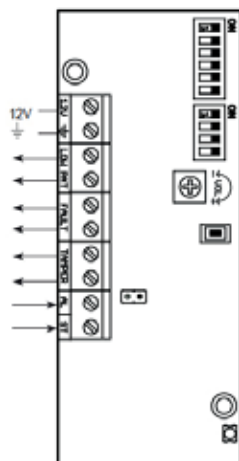
9521-GOLD-TXRX

The GOLD-TXRX transceiver module allows to connect GOLD series wireless sirens to any wired control panel (including other brands); with one module can be combined on a single plant up to 16 GOLD series wireless sirens. The TX/RX module is provided with a microswitch to protect the opening of the cover and the tearing from the wall, while the intrinsically safe operation (alarm for lack of positive or negative) protects against cutting the cables. It has a normally closed contact (NC) for connection to the tamper line of the control panel. The transceiver with bidirectional communication between the siren and TX/RX module ensures a wireless range of up to 1.5 km in free air and is compatible with new versions of the GOLD Series sirens provided with anti-foam system, anti-flame and WIN^3 function. The TX/RX module has two inputs for alarm and system status - NC or NO programmable according to the control panel - and three outputs for independent management of information "battery status", "sabotage" and "fault". By trimmer you can adjust the volume of the matched sirens.
Compliant to CEI EN 50131-1 (Grade 2), environmental class I.

Specifications

- Operating voltage (min-max): 10 ÷ 35 Vdc
- Stand-by consumption: 20 mA
- Transmission frequencies: 869.40 MHz - 869.65 MHz (1 channel) • 868.00 MHz - 868.60 MHz (4 channels)
- Security transmission: FH; TDMA; AES
- Wireless range: up to 1.5 km in free air
- Volume regulation of siren: present
- Inputs: 2 - Alarm and system status

- Input settings: positive or negative lack (with dipswitch)
- Outputs: 4 - Battery status, sabotage, fault
- Selectable siren functions: Supervision, Life Test, Tamper, type sound, anti-foam, anti-flame
- Operating temperature: +5 °C ÷ +40 °C
- Plastic case dimensions: 30 x 100 x 110 mm
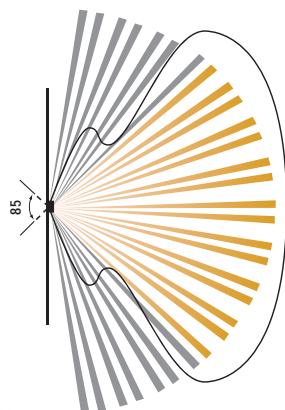- Weight: 0.110 kg
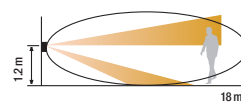- Weight (board only): 0.040 kg

ANY OTHER BRAND CONTROL PANEL

#1

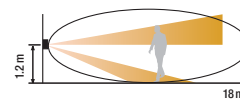**WITH ONLY ONE TX-RX MODULE UP TO 16 SIRENS ON A SINGLE PLANT**

#16

Universal Wireless

18910BLO/P

16780NDA3AAVV

1597ZENITHDT

410LESW

1630DT/JOLLY

1877TRISGSM

Universal Wired
Devices

PATENTED 0001371993
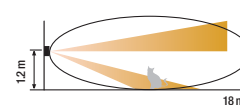
No Alarm (Triple AND) PET-IMMUNITY

No Alarm (Triple AND)

Alarm

Universal Wired Devices

WIRED OUTDOOR TRIPLE TECHNOLOGY PET-IMMUNITY DETECTOR

1873BOBBY-AM

The outdoor detector 1873BOBBY-AM, composed by two dual passive infrared sensors and one microwave with planar cavity, has been **designed and built to ensure maximum performance in outdoor environment**. The electronic of the detector is adjustable and allows to obtain an horizontal coverage of 85° distributed on a plane of 170°. The fixing of the detector can be both on wall and pole (height from 1 to 1.2 m). The lower infrared beam, also vertically adjustable, allows to obtain **a range of coverage between a minimum of 3 m and a maximum of 18 m**. The three sensors, which are managed by a microcontroller, can be combined with each other depending on the installation requirements (triple AND, MW in AND with each PIR, AND of the PIR MW excluded). Two solid state relays are used to manage outputs, alarm and anti-mask function. **The anti-masking was designed using active IR sensors that, through the Fresnel lenses, have the ability to detect obstacles voluntarily affixed on lenses to prevent detection (spray, tape, paper, etc.)**. If set in triple AND **allows the discrimination of pets** *(Pet-Immunity).*

Specifications

- Detection: 2 PIRs + microwave with 24 GHz frequency
- Power supply: 10.5 ÷ 15 Vdc
- Power consumption: 20 mA
- LEDs: 4 (Green PIR 1, Green PIR 2, Yellow MW, Red alarm)
- Sensitivity: adjustable and independent for each technology
- Horizontal Coverage: 85°
- Detection range: adjustable from 3 to 18 m
- Adjustable lower PIR: micrometer through patented device
- Anti-masking output: dedicated NC
- Anti-mask function: active IRs
- AND/OR function: selectable through DIP, triple AND • (PIR1OR PIR2) AND MW

- PIR1 AND PIR2 (MW excluded)
- Sun Anti-blinding: through high efficiency mechanical filters
- Electronic board: 90° horizontally adjustable and sealed
- Housing: polycarbonate with Fresnel lens UV-resistant
- Bracket for wall fixing: stainless steel (supplied)
- Tamper protection: against opening and tearing
- Security Grade: Grade 3 (EN 50131)
- Environmental class: IV (EN 50131-1)
- Operating temperature: -25 °C ÷ +60 °C
- Degree of Protection: IP44
- Dimensions: 81 x 76 x 189 mm
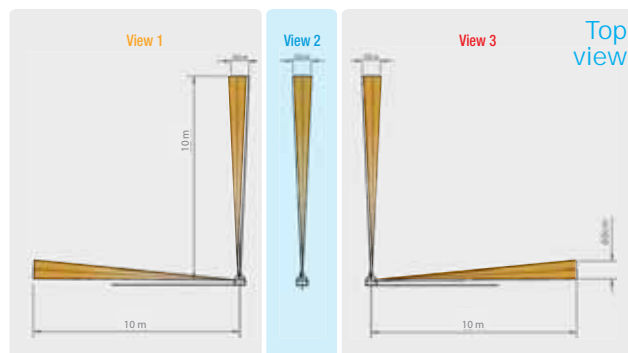- Weight: 0.47 kg (bracket included)

Available Versions

1873BOBBY-AM • 2 PIRs+MW 24 GHz, AM, 18 m detection range, 85°
1673BOBBY • 2 PIRs+MW 10.525 GHz, MW anti-masking, range 15 m, 60°
1875BOBBY-AM/E • 2 PIRs, AM, 18 m detection range, 85°
1871BOBBY/E • 2 PIRs, 18 m detection range, 85°

AVAILABLE ACCESSORIES

1951-SB5 • Bracket to rotate the BOBBY detector of 5° and eliminate eventual blind corners
1819KR-KIT • Heater kit with hygrometer and temperature sensor
1821KR-KIT/E • Heater kit with temperature sensor
1820COVERKIT • Rain cover for BOBBY series
001805/00102AA • Stainless steel pole bracket Kit
1955-FB • Extra spacing to distance the BOBBY detector from the installation wall

Universal Wired

Side view

Board positions

Lens
PIR
Rotating support

Pos. 1   Pos. 2   Pos. 3

Alarm
10 m
m 1.2

View 1   View 2   View 3   **Top view**

10 m   10 m   10 m

PATENTED
0001371993
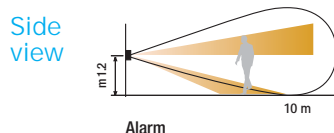
Universal Wired Devices
WIRED OUTDOOR TRIPLE TECHNOLOGY PET-IMMUNITY DETECTOR WITH CURTAIN COVERAGE

1908-BOBBY-AM-T

The outdoor curtain detector is composed by two dual passive infrared sensors and one 24 GHz microwave. The advanced electronic of the detector has been designed and built to ensure maximum performance in outdoor environment. **By turning the internal mechanism, it is possible to obtain three coverage areas**, each of 5° and, by placing a mask on the lens, it is possible to select one of them or more than one. The lower infrared beam, also vertically adjustable, allows to obtain a range of coverage between a minimum of 3 m and a maximum of 10 m. The three sensors, which are managed by a microcontroller, can be combined with each other depending on the installation requirements (triple AND, MW in AND with each PIR, AND of the PIR MW excluded, triple OR). **If set in triple AND allows the discrimination of pets** *(Pet-Immunity)*. In the versions (1908-BOBBY-AM-T and 1907-BOBBY-AM-T-E) provided with anti-masking (EN 50131-2-4), the function has been designed to make the detector immune to those who may have access to the site where it is installed during the period in which the system is switched off. In this way it's detected any attempt to prevent the functioning of the detector. To manage outputs, alarm and antimask, are used two solid state relays. The fixing of the detector can be either on the wall or on a pole (height from 1 to 1.2 m).

Specifications

- Detection: 2 PIR + microwave with 24 GHz frequency
- Power supply: 9 ÷ 15 Vdc
- Power consumption: 20 mA
- Masking alarm contacts: MOS FET relay 100 mA 35 V, 2 Ω max
- Anti-masking output: dedicated NC
- Time before alarm: 1 s
- Anti-masking function: active IRs (two pairs of beams to protect each lens portion)
- LED: 4 (Green PIR 1, green PIR 2, yellow MW, red alarm)
- Sensitivity: adjustable and independent for each technology
- Horizontal Coverage (single beam): 5°
- Beam number: 3 (simultaneously selectable up to 2, positioned at 90°)
- Horizontal Coverage range: ±45°
- Detection range: adjustable from 3 to 10 m

- Adjustable lower PIR: micrometer through patented device
- Housing: UV-resistant polycarbonate
- Lens: by Fresnel, UV-resistant
- AND/OR function: selectable through DIP • triple AND
  • (PIR1 OR PIR2) AND MW • PIR1 AND PIR2 (MW excluded)
  • PIR1 AND MW (PIR2 excluded)
- Sun Anti-blinding: through high efficiency mechanical filters
- Electronic board: 90° horizontally adjustable and sealed
- Bracket for wall fixing: stainless steel (supplied)
- Bracket for pole fixing: stainless steel (not supplied)
- Security Grade: 3 (EN 50131-2-4)
- Environmental class: IV (EN 50131-1)
- Operating temperature: -25 °C ÷ +60 °C
- Degree of Protection: IP44
- Dimensions: 81 x 56 x 189 mm
- Weight: 0.47 kg (bracket included)

Available Versions

1908-BOBBY-AM-T • 2 PIRs+MW 24 GHz with curtain coverage, AM, 4 LEDs, 10 m detection range, 5°

1907-BOBBY-AM-T-E • 2 PIRs with curtain coverage, AM, 3 LEDs, 10 m detection range, 5°

1906-BOBBY-T-E • 2 PIRs with curtain coverage, 3 LEDs, 10 m detection range, 5°

AVAILABLE ACCESSORIES

1819KR-KIT • Heater kit with hygrometer and temperature sensor

1821KR-KIT/E • Heater kit with temperature sensor

1820COVERKIT • Rain cover for BOBBY series

001805/00102AA • Stainless steel pole bracket Kit

**1955-FB** • Extra spacing to distance the BOBBY detector from the installation wall

Inside view
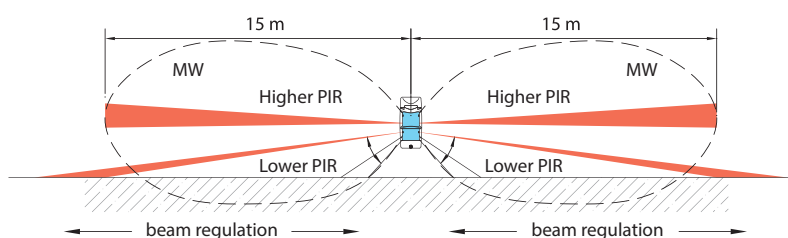
PATENT PENDING

Universal Wired Devices

WIRED OUTDOOR DETECTOR WITH CURTAIN COVERAGE 180°
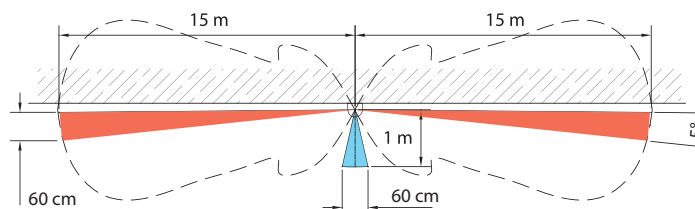
1946-BOBBY180-24-AM-V

The curtain outdoor detector 1946-BOBBY180-24-AM-V consists of 5 dual PIR sensors, two 24 GHz microwaves and 5 active IRs, managed by a sophisticated algorithm. The particularly advanced electronics have been designed to guarantee maximum performance in outdoor environments. The curtain protection provides 2 side beams (oriented at 180°) of 5° (with a maximum coverage of **15 m per side**) and a front one, always of 5° (maximum coverage of 1 m), that works as proximity-alert. The lower PIR can also be oriented vertically and this allows to obtain a coverage range between 3 m and 15 m (independent for each side); the distance of the side beams from the wall is adjustable to 0° or 3°. It is equipped with 4 trimmers, for PIRs and MWs independent regulation. The sensors, managed by a microcontroller, can be combined according to the installation needs (triple AND, MW in AND with each PIR, AND of the PIR with MW excluded). If set in triple AND allows **the discrimination of animals** *(Pet-Immunity)* on both sides. **Independent management of the outputs, alarm and anti-masking** through two solid state relays. It has a series of innovative features such as the **ECO** function (it makes the MW turn on only after the detection of one of the two PIRs), the **CWS** (*Cross-Walking Sensibility*, which allows to discriminate the crossing direction), the **double pulse** (the alarm relay is active only when two alarm detections are generated between 6 and 30 seconds) and the **clever** ((PIR1|PIR2) & MW, if proximity-alert is activated). The detector can be fixed either on the wall or on a pole (height 1 ÷ 1.2 m).
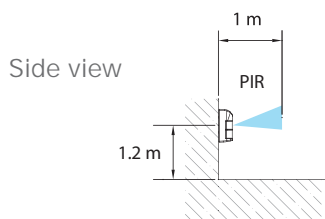
Side view

Front view

Top view

Universal Wired

Universal Wired Devices

WIRED OUTDOOR DETECTOR WITH CURTAIN COVERAGE 180°

1946-BOBBY180-24-AM-V

Specifications

- Detection: 5 PIRs + 2 MWs 24 GHz
- Detection: indipendent for right, left and front side
- Power supply: 10 ÷ 15 Vdc
- Absorption: 40 mA (15 mA if the ECO funcion is active)
- Detection range: adjustable from 3 to 15 m (independent on each side)
- Lens: Fresnel made in the USA
- Distance from the wall: adjustable 0° or 3°
- Pet-Immunity: for both sides
- Front proximity-alert: PIR, with 1 m coverage
- PIR sensors: each protected by a masking detection system
- Sun filters: 5, one for each PIR, made in Japan (high immunity to white light)
- Trimmers: 4, for PIR and MW sensitivity independent adjustment
- Dip-switch for configuration of functions: 10 (AND/OR, AM sensitivity, etc.)

- Signalling LEDs: 8
- Functions: ECO, double pulse, clever, CWS, anti-tearing, anti-opening
- Digital signal processing: present
- Digital temperature compensation: present
- Immunity to EMI/RFI interferencies: complies with EN 50130-4
- Cover: polycarbonate for outdoor use
- Electronic board: epoxy-protected against moisture
- Degree of Protection: IP44
- Security Grade: 3 (EN 50131-2-4)
- Environmental class: IV (EN 50131-1)
- Operating temperature: -25 °C ÷ +60 °C
- Dimensions: 81 x 76 x 189 mm
- Weight: 0.47 kg (bracket included)

Available Versions

1946-BOBBY180-24-AM-V • 5 PIRs+2 MWs 24 GHz, curtain coverage 180°, AM, proximity-alert, 8 LEDs, Grade 3
1953-BOBBY180-E-AM-V • 5 PIRs, curtain coverage 180°, AM, proximity-alert, 6 LEDs, Grade 3
1947-BOBBY180-E-AM • 5 PIRs, curtain coverage 180°, AM, 6 LEDs, Grade 3
1948-BOBBY180-E • 5 PIRs, curtain coverage 180°, 6 LEDs, Grade 2

AVAILABLE ACCESSORIES

1819KR-KIT • Heater kit with hygrometer and temperature sensor (usable with WIN power supply)
1821KR-KIT/E • Heater kit with temperature sensor (usable with WIN power supply)
1820COVERKIT • Rain cover for BOBBY series
001805/00102AA • Stainless steel pole bracket Kit
1954-SR4 • Board with 4 relay outputs (right alarm, left alarm, anti-proximity alert, low voltage signalling) and alarm signalling buzzer, housed in a polycarbonate watertight support. Only for BOBBY180 Series
1955-FB • Extra spacing to distance the BOBBY detector from the installation wall

Universal Wired Devices
## WIRED OUTDOOR TRIPLE TECHNOLOGY CURTAIN DETECTOR

1779BABY-AM

Triple technology curtain detector for indoor and outdoor environment. The thin body allows it to be used between window shutter or rolling shutter, or in outdoor (above a door or a window) with the aid of the bracket 1894SBP. The detector is composed by two dual passive infrared sensors and one 24 GHz microwave; **the anti-masking (sensitivity selectable via DIP-switch) was designed using active IR sensors** that, through the Fresnel lenses, have the ability to detect obstacles voluntarily affixed on the lens to prevent detection (spray, tape, paper, etc.). The three sensors, which are managed by a microcontroller, can be combined in different operation modes (triple AND, AND of the MW with each PIR, MW excluded and Double AND of the PIRs, triple OR). **An innovative detection system with three-axis accelerometer has been developed to avoid opening and tearing**. Particular attention has been paid to the mechanics; a sealing gasket makes waterproof the compartment in which is housed the printed circuit board and a removable terminal makes easier wiring operations.

Universal Wired

Universal Wired Devices

WIRED OUTDOOR TRIPLE TECHNOLOGY CURTAIN DETECTOR

1779BABY-AM

ADJUSTABLE DETECTION RANGE
(from 0.4 to 4 m)

4 m

5 m

4 m

1.50 m
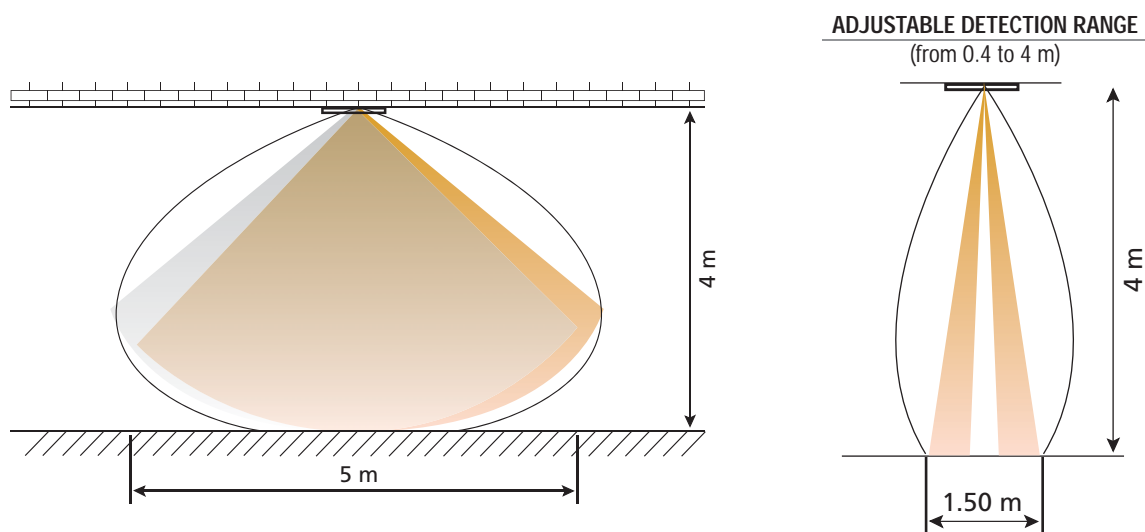
Specifications

- Detection: 2 PIRs + 24 GHz microwave
- Power supply: 9 ÷ 15 Vdc
- Power consumption: 20 mA (9 mA ECO mode, MW after PIR detection)
- LEDs: 4 (Green - PIR 1, Green - PIR 2, Yellow - MW, Red - Alarm)
- Sensitivity: adjustable and independent for each technology
- AND/OR function: selectable trough DIP-switches - triple AND • triple OR • (PIR1 OR PIR2) AND MW • PIR1 AND PIR2 (MW excluded)
- Detection Coverage: 5 m at an height of 4 m
- Anti-masking Function: active IR
- Anti-masking Output: NC contact
- CWS function: discrimination of the crossing direction (selectable)
- Housing: Polycarbonate and Fresnel lens UV resistant
- Tearing and tampering: three axes accelerometer
- Degree of Protection: IP55
- Temperature compensation: automatic
- Security Grade: Grade 3 (EN 50131)
- Environmental Classification: Class III (EN 50131-1)
- RF immunity: compliant to EN 50130-4
- Operating Temperature: -25 °C ÷ +50 °C
- Dimensions: 256 x 34 x 41 mm
- Weight: 0.15 kg

Available Versions

1779BABY-AM •	2 PIRs+MW 24 GHz, AM, white colour
1789BABY-AM/M •	2 PIRs+MW 24 GHz, AM, brown colour
1777BABY-BA •	2 PIRs+MW 24 GHz, white colour
1787BABY-BA/M •	2 PIRs+MW 24 GHz, brown colour
1867BABY-AM/E •	2 PIRs, AM, white colour
1869BABY-AM/EM •	2 PIRs, AM, brown colour
1866BABY-BA/E •	2 PIRs, white colour
1868BABY-BA/EM •	2 PIRs, brown colour

AVAILABLE ACCESSORIES

1904CPB-B •	White wedge to adjust the detection angle
1905CPB-M •	Brown wedge to adjust the detection angle
1894SBP •	Bracket for outdoor wall installation, protected against opening and tearing

Universal Wired

Volumetric Version

6 m
0
6 m

2,1 m

1 m   2,9 m   5,8 m   12 m

Plan view

Side view

AVAILABLE ALSO WITH CURTAIN COVERAGE

Plan view

Side view

m 2,10

m 12

Universal Wired Devices
WIRED DUAL TECHNOLOGY DETECTORS

1630DT/JOLLY

Indoor dual technology volumetric detector, composed by one passive infrared sensor and one 10.525 GHz microwave. The two detection technologies, combined in AND, make the detector suitable for installation in difficult environments, providing a high degree of immunity to events that could cause false alarms in other types of detectors. The realization with SMD components has made possible to get smaller dimensions despite the complexity of the functions performed, increasing reliability of the circuit and not least providing a high immunity to electromagnetic interferences. The detector can be installed on the wall or in a corner through bracket item 1822-SN-DT (included). Protected against opening, can also be protected against tearing with item 1878SN-DTA provided with tamper (optional). Available also as curtain versions.

Specifications

- Infrared sensor: Dual element low noise PIR
- Microwave frequency: 10.525 GHz
- Detection range: 12 m
- Power: 8 ÷ 16 Vdc
- Power consumption: 34 mA
- LEDs: 3 (Green - PIR, Yellow - MW, Red - Alarm)
- Sensitivity of the MW: adjustable through trimmer

- AND/OR function: selectable through jumper
- Alarm relay: NC silent 10 Ω in series
- Wall or corner installation
- Tamper: microswitch
- Operating temperature: +5 °C ÷ +40 °C
- Dimensions: 58 x 84 x 42 mm
- Weight: 0.70 kg

Available Versions

1630DT/JOLLY • PIR+MW 10.525 GHz, detection range 12 m, 90°, bracket included

1830DT/JOLLY-E • PIR+MW 10.525 GHz, detection range 12 m, 90°

1743DT/JOLLY-T • PIR+MW 10.525 GHz with curtain coverage, detection range 12 m, 6°, bracket included

1879DT/JOLLY-TE • PIR+MW 10.525 GHz with curtain coverage, detection range 12 m, 6°

1534JOLLY • PIR, detection range 12 m, 90°, bracket included

1823JOLLY/E • PIR, detection range 12 m, 90°

1536JOLLY/L • PIR with curtain coverage, detection range 40 m, 8°, bracket included

1535JOLLY/C • PIR with curtain coverage, detection range 20 m, 7°, bracket included

1537JOLLY/T • PIR with curtain coverage, detection range 12 m, 17°, bracket included

1876JOLLY/TE • PIR with curtain coverage, detection range 12 m, 17°

AVAILABLE ACCESSORIES

1878-SN-DTA • Bracket with tamper

1822SN-DT • Simple bracket

1909-SN-DT-E • Polycarbonate bracket

Universal Wired

Side view

4 m

11.4 m

5 m
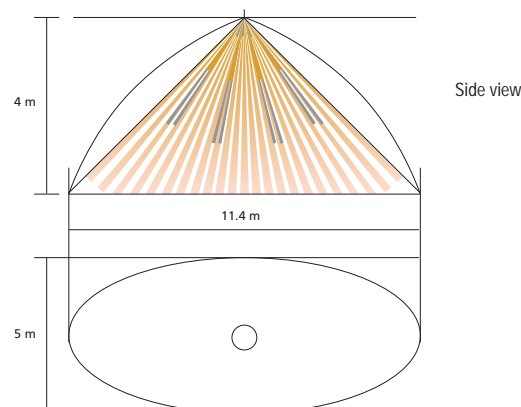
Universal Wired Devices
WIRED DUAL TECHNOLOGY DETECTORS

1597ZENITHDT

Ceiling mounting dual technology for indoor environment composed by one passive infrared sensor and one microwave with planar antenna at 10.525 GHz. The very thin circular structure makes it particularly suitable and effective for domestic installations. A sophisticated algorithm that simultaneously analyses the two detection technologies, makes it suitable for installation in difficult environments, providing a high degree of immunity to events that could cause false alarms in other types of detectors. The sequence of warnings provided by the two sensors is appropriately analysed by the microprocessor avoiding external phenomena (such as drafts, heat sources and electrical noise) that could generate unwanted alarms. Provided with anti-masking function (through pulse counting) and warning function. When the system is armed, the masking of the infrared sensor is detected after five activations of the microwave in a range of thirty seconds without detections from the infrared sensor; in this condition the operating logic changes from AND to OR and an alarm event is sent to the control panel. When system is disarmed, the warning function is activated if one of the technologies detects fifty times while the other has detected nothing. The realization with SMD components has made possible to get smaller dimensions despite the complexity of the functions performed, increasing reliability of the circuit and not least providing a high immunity to electromagnetic interferences. The hemispherical lens and the microwave with planar antenna, ensure coverage of 360°. The coverage area in the widest part is approximately 11.4 m if set at 4 m height.

Specifications

- Infrared Sensor: PIR low noise double element
- Microwave with planar antenna: 10.525 GHz
- Detection area: elliptic, major axis 11.4 m - minor axis 5 m if set at 4 m height (reducing the height, the covered area decreases)
- Power supply: 10 ÷ 15 Vdc
- Stand by power consumption: 6 mA
- Detection power consumption: 15 mA
- LEDs: 2 (Green - PIR, Red - Alarm)
- Detection Coverage: 24 beams on 4 levels
- Detection Range: 12 m
- Alarm relay: NC

- Installation: Ceiling mounting
- Tamper output: dedicated NC contact
- Tamper: microswitch
- AND/OR function: selectable
- Warning function: dedicated output
- Anti-masking function: by counting pulses
- Memory function: present
- LED function exclusion: present
- Operating temperature: +5 °C ÷ +40 °C
- Dimensions: Φ 129 x 43 mm
- Weight: 0.106 kg

Available Versions

1597ZENITHDT • PIR+MW 10.525 GHz, AM and warning function, 360° elliptical coverage

1883ZENITHDT/E • PIR+MW 10.525 GHz, 360° elliptical coverage

1596ZENITHIR • PIR, 360° elliptical coverage

Universal Wired

Universal Wired Devices

410LESW

Contact with wire for the protection of rolling shutters. Protection against lifting, cutting or tearing; it is possible to activate alarm with the shutter not fully lowered since the microswitch inside is permanently closed and detects only the status changes. The contact is covered by two patents.

Specifications

- Detection: OMRON microswitch activated by patented mechanism
- Pulse duration: 4 ms ÷ 6 ms
- Wire length: 2.8 m ÷ 3.1 m

- Operating Temperature: -5 °C ÷ +40 °C
- Slide brackets for simplified installation: not included
- Dimensions: 110 x 90 x 15 mm (without brackets)
- Weight: 0.15 kg

Available Versions

410LESW • Contact with wire with patented mechanism for the activation of the microswitch

1828LESW/E • Contact with wire

AVAILABLE ACCESSORIES

1829LESW/ST • Fixing bracket

1890-MODULO/CI • Self-powered pulse counter

1608SHUNI

Pulse counters for rolling shutters contact 410LESW. Number of pulses can be selected through jumpers. It is equipped with a practical plastic holder for fixing.

Specifications

- Power supply: 11 ÷ 15 Vdc
- Pulse number: selectable through jumpers (1, 2, 3, 5, 7, 9)

- Operating Temperature: +5 °C ÷ +40 °C
- Dimensions: 75 x 56 x 25 mm
- Weight: 0.20 kg

1765LESW/CI

Contact with wire for the protection of rolling shutters with integrated electronic pulse counter with just two wires. The electronic board is powered by lithium battery and allows the selection of the number of the pulses; a buzzer indicates the low status of the battery, approximately 15 days before reaching the lower level, once the level is reached, the relay remains opened until replacing of the battery.

Specifications

- Detection: OMRON microswitch activated by patented mechanism
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Pulse: 4 ms ÷ 6 ms
- Wire length: 2.8 m ÷ 3.1 m

- Pulse number: selectable through dip (2, 4, 6, 8)
- Operating Temperature: -5 °C ÷ +40 °C
- Slide brackets for simplified installation (not included)
- Dimensions: 160 x 90 x 15 mm (without brackets)
- Weight: 0.20 kg

AVAILABLE ACCESSORIES

1829LESW/ST • Fixing bracket

Universal Wired

Universal Wired Devices

LinceGSM
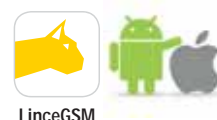
WIRED GSM DIALER

1877TRISGSM

Dialer working on the GSM network. Small and compact is **supplied with rechargeable battery** and GSM antenna (SIM card not included). It can handle up to 7 users by sending them SMS, voice messages or both. Using the keyboard, the TTS (Text to Speech) function allows to type the message that is automatically turned into voice. Before inserting the SIM, the dialer allows to know which operator has the best signal so to choose the most suitable telephone Company.
The load management function allows to use it as an "open gate" (useful in condominium situations). Equipped with an output for control of devices, you can arm and disarm the alarm, control other households and receive the confirmation of commutation. The operating logic allows to control the battery status: not present (in the case of battery irreversibly exhausted), in charging or low charge.

Specifications

- Input channels: 2 for voice calls and SMS with customizable text (L1, L2)
- Stand-by power consumption with display OFF: 80 mA
- Alarm power consumption: 220 mA
- Rechargeable backup battery: Lithium 3.7 V 900 mAh (supplied)
- Telephone numbers: 7
- Telephone numbers for load management: 99
- Block alarm input: 1 BK
- Output for control of devices: 1 (delayed • monostable • bistable)
- Output for antitamper: 1
- Input for system status: 1

- Block alarm management: through calling without reply
- Battery status: visible on display
- TTS function to messages record: present
- Programming and managing: SMS (LinceGSM APP for iOS and Android)
- Connector for application of external antenna: present
- Speaker: built-in for playback of stored message
- Management of residual credit and SIM card expiry: present
- Display LCD: 2 lines for 16 characters
- Power Supply: 10 ÷ 28 Vdc
- Dimensions: 167 x 107 x 33 mm
- Weight: 0.30 kg

AVAILABLE ACCESSORIES

001515/00231AA • Lithium battery 3.7 V 900 mAh

Pratical internal tray cover

Opens on either side

Universal Wired Devices

WIRED OUTDOOR SELF-POWERED SIRENS

watch the video

1891OBLO/P

Outdoor self-powered siren OBLO is built entirely of polycarbonate ensuring strength and resistance to UV rays. The particular shape, in addition to make it different and recognizable compared to current sirens on the market, offers a unique comfort in the installation phase. To prevent that the installer, during installation and maintenance, must place aside the primary panel and the secondary panel, siren OBLO has been designed so that the primary panel and the secondary panel always remain fixed to the base also when the siren is opened; the front panel is fixed on two hinges, one left and one right, allowing to choose the **easier opening mode (patented system)**. The inner panel, opening downward, acts as a convenient table for the support of the installer's tools. **Opening, tampering and tearing of the siren is protected by microswitch**. Visual indication through high efficiency LED. Designed for outdoor installation, the electronic board is equipped with a microprocessor that manages all major functions including battery status, integrity of the lamp and the tamper function. **Anti-foaming, proximity alert, anti-perforation and anti-flame included**.

Specifications

- Power supply: 11 ÷ 15 Vdc
- Stand by power consumption: 11 mA (with charged battery)
- Alarm power consumption: 1 A
- Fundamental sound frequency: 1,800 Hz
- Sound pressure: 104 dB @ 3 m
- Battery Recharge max current: 200 mA
- Anti-opening protection: microswitch
- Anti-tearing protection: microswitch
- Anti-foaming protection: present (active IR)
- Proximity alert: present (active IR)
- Protection anti-perforation: present
- Protection anti-flame: present
- Alarm activation: positive or negative absence
- Alarm for absence of main power: present
- Maximum alarm time: 5 minutes (continuous or discontinuous sound)

- Optical signalling: LED
- Life test optical signalling: present by one flash every 60 s
- System status optical signalling: present
- Selectable frequency: present
- Autotest function: speaker integrity check, testing power supply, driver check
- Housing for Battery: 2.2 Ah 12 V (not included)
- Material: polycarbonate
- Fixing screws: steel on brass inserts
- Degree of protection: IP43
- Conformity: EN 50131-4 (Grade 3)
- Environmental class: IV
- Operating temperature: -25 °C ÷ +60°C
- Dimensions: 277 x 251 x 72 mm
- Weight: 1.4 kg (without battery)

Available Versions

1891OBLO/P • Wired outdoor siren with proximity alert, anti-perforation, anti-flame and anti-foaming, Grade 3

1880OBLO/A • Wired outdoor siren with proximity alert, anti-flame and anti-foaming, Grade 3

1827OBLO/L • Wired outdoor siren with anti-flame and anti-foaming, Grade 3

1826OBLO/E • Wired outdoor siren, Grade 2

AVAILABLE ACCESSORIES

474LI2,2-12 • Lead battery 12 V 2.2 Ah

Universal Wired

Universal Wired Devices

WIRED OUTDOOR SELF-POWERED SIRENS

1937-SAXA-L

Wired self-powered outdoor siren SAXA with optical and acoustic signalling. Case made entirely in ABS. Opening and tearing are protected by a microswitch while the intrinsically safe working (alarm for lack of positive or negative) protects against the wire-cutting. High-power magneto-dynamic speaker 114 dB @ 1 m with fundamental sound frequency of 1,750 Hz. Power supply 11 ÷ 15 Vdc. Housing for 12 V battery, 1.3 Ah (Item 473LI1,3-12, not supplied). SAXA siren is compliant to the standard CEI EN 50131-4 Grade 2, environmental class IV.
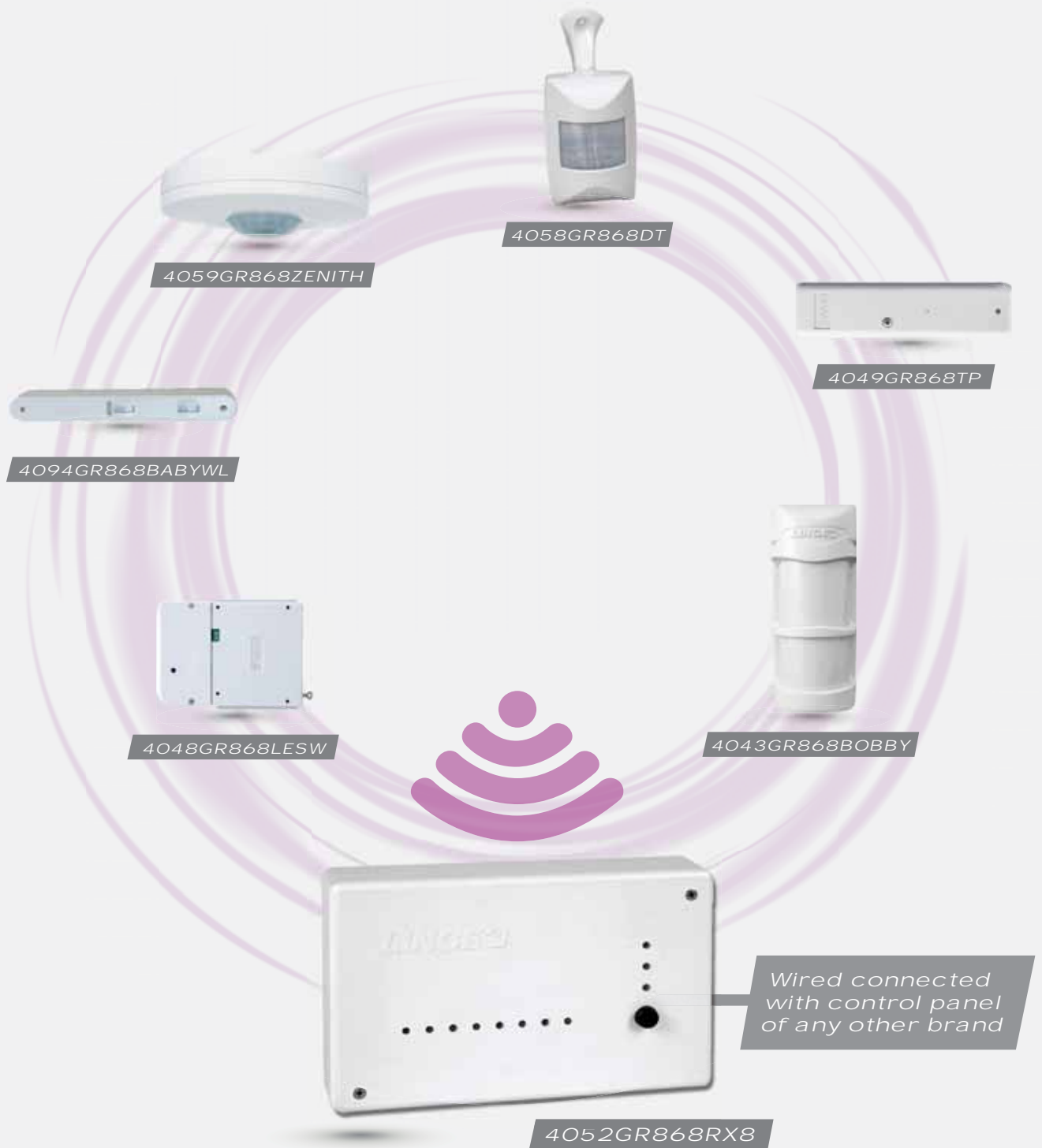
Specifications

- System status indication (on/off): by LED
- Fault reporting: by LED (low voltage, faulty speaker, low battery)
- Battery status indication output: Open Collector selectable with jumper
- Reverse polarity protection: battery and power supply
- Battery status output: protected against short-circuit
- Intelligent battery charging: recharges the battery even with a power supply less than 13.8 Vdc
- Protection against wall removal (anti-tearing): present
- Tone selection: present
- Flashlight module in LED technology: present
- Protection against wire-cutting: present
- Lid tamper: present
- Duration of acoustic signalling: limited (3 minutes)
- Duration of optical signalling: as long as alarm duration
- Battery check: every 5 minutes
- Speaker test: present
- Protection tamper circuit: incorporated
- Moisture-sealed electronic board: present

- Work signalling LED: 1 flash per minute
- Housing for battery: 12 V 1.3 Ah
- Operating voltage (min-max): 11 ÷ 15 Vdc
- Operating frequency: 1,750 Hz
- Consumption at rest (charged battery): 6 mA
- Consumption at rest (using battery): 11 mA
- Maximum alarm consumption: 1 A
- Sound pressure: 114 dB @ 1 m
- Maximum charge current battery: 200 mA
- Maximum battery voltage: 14 V
- Battery life in stand-by time: 120 h
- Battery life: 60 alarm cycles
- Degree of protection: IP43
- Installation time: 1 minute
- Conformity: CEI EN 50131-4 (Grade 2)
- Environmental class: IV
- Operating temperature: -25 °C ÷ +60 °C
- Dimensions: 190 x 273 x 80 mm
- Weight: 1.24 kg

Available Versions

1937-SAXA-L • Wired self-powered siren with optical and acoustic signalling, anti-tearing and status LED
1938-SAXA-E • Wired self-powered siren with optical and acoustic signalling

AVAILABLE ACCESSORIES

473LI1,3-12 • Lead battery 12 V 1.3 Ah

WIRED OUTDOOR SELF-POWERED SIRENS

1678ONDA3AAVV

Outdoor self-powered high-power electronic siren provided with cast aluminum case and polycarbonate innerplate. Equipped with dual optical sensor managed by a dedicated software that constantly checks the presence of external obstacles that may obstruct the normal diffusion of sound (mechanical masking). Additional internal dual active sensor checking the presence of foaming substances that the attacker could insert inside of the siren (typically polyurethane spray substances). Opening, tampering and tearing of the siren have been protected by micro-switch. The electronic board, designed for outdoor installations, is equipped with a microprocessor that manages all major functions including battery status, integrity of the lamp and the tamper microswitch. Metallic silver colour.

Specifications

- Power supply: 13.5 ÷ 15 Vdc
- Power consumption: 2.5 A in alarm status
- Battery: compartment for 2.2 Ah lead battery (battery non included)
- Fundamental sound frequency: 1,800 Hz; SPL: 104 dBA @ 3 m
- Sound block: after 5 minutes of continuous sound
- Siren status visualization: one blink every 60 s (can be disabled)
- Anti-foaming: present
- Proximity alert: present
- Battery status output: Open Collector selectable through jumper
- Degree of Protection: IP34
- Operating Temperature: -25 °C ÷ +60 °C
- Dimensions: 207 x 305 x 117 mm
- Weight: 2.0 kg (battery excluded)

Available Versions

1678ONDA3AAVV • Wired outdoor self-powered siren with proximity alert, grey colour
1656ONDA3 • Wired outdoor self-powered siren, grey colour

AVAILABLE ACCESSORIES

474LI2,2-12 • Lead battery 12 V 2.2 Ah

1865SMART/L

Outdoor self-powered siren SMART Series with with optical and acoustic signalling. Case fully made of polycarbonate. The lid opening is protected by the presence of a microswitch while the intrinsically safe working (alarm for lack of positive or negative) protects against the wire-cutting. High-power magneto-dynamic speaker 114 dB @ 1 m with fundamental sound frequency of 1,750 Hz. Power supply 11 ÷ 15 Vdc. Housing for 12 V battery, 1.3 Ah (Item 473LI1,3-12, not supplied). Compliant to the standard CEI EN 50131-4 Grade 2, Class IV.

Specifications

- System status indication (on/off) by LED
- Fault reporting: by LED (low voltage, faulty speaker, low battery)
- Battery status indication output: Open Collector selectable with jumper
- Reverse polarity protection: battery and power supply
- Battery status output: protected against short-circuit
- Intelligent battery charging: recharges the battery even with a power supply less than 13.8 Vdc
- Protection against wall removal (anti-tearing):present
- Tone selection: by jumper (JP4)
- Optical signalling: by LED flash
- Protection against wire-cutting: present
- Lid tamper: present
- Duration of acoustic signalling: limited (3 minutes)
- Duration of optical signalling: as long as alarm duration
- Battery test: every 5 minutes
- Speaker test: present
- Protection tamper circuit: present
- Conformal coating on electronic board: present
- Work signalling LED: 1 flash per minute
- Housing for battery 12 V 1.3 Ah
- Operating voltage (min-max): 11 ÷ 15 Vdc
- Operating frequency: 1750 Hz
- Consumption at rest (charged battery): 6 mA
- Consumption at rest using battery: 11 mA
- Maximum alarm consumption: 1 A
- SPL: 114 dB @ 1 m
- Maximum charge current battery: 200 mA
- Maximum battery voltage: 14 V
- Battery life in stand-by time: 120 h
- Battery life: 60 alarm cycles
- Enclosure degree of protection: IP43
- Sound time-out: 5 minutes
- Installation time: 1 minute
- Operating temperature: -25 °C ÷ +60 °C
- Housing: polycarbonate
- Dimensions: 187 x 270 x 63 mm
- Package weight: 1.5 kg

Available Versions

1865SMART/L • outdoor self-powered siren with opening protection, tamper protection and LED for system status
1805SMART/E • outdoor self-powered siren with opening protection

AVAILABLE ACCESSORIES

473LI1,3-12 • Lead battery 12 V 1.3 Ah

 Universal Wired

4058GR868DT

4059GR868ZENITH

4049GR868TP

4094GR868BABYWL

4048GR868LESW

4043GR868BOBBY

Wired connected
with control panel
of any other brand

4052GR868RX8

Wireless
System GR868
Series

Wireless System GR868 *Series*

4052GR868RX8

Universal radio receiver operating on 868 MHz frequency that allows to use all wireless devices GR868 series and connect them to any other brand control panel with analog inputs. **It is provided with 8 input wireless channels, 8 output relays**, one battery status output, one tamper and tearing output. In addition to the reception of normal signals of alarm and sabotage, the item **4052GR868RX8** is ready for the reception of supervisory and anti-saturation signals. Acoustic signal for test functions during installation. Compatible with all wireless devices of GR868 series.

Specifications

- Power supply: 12 Vdc
- Power consumption: 40 mA
- Input channels: 8
- LEDs: 11 (8 Inputs, 1 Battery Status, 1 Tamper, 1 Supervision)
- Test of wireless range: acoustic signalling
- Alarm Memories: visualization through LEDs
- Relay alarm outputs: 8 selectable NC - NO
- Relay sabotage output: 1
- Relay low battery output: 1
- Output for tamper and tearing: 1
- Reception of supervision anti-saturation signal: ready
- Degree of Protection: IP34
- Operating Temperature: +5 °C ÷ +40 °C
- Dimensions: 170 x 107 x 30 mm
- Weight: 0.220 kg

4100GR868LINK

Bridge to extend wireless range from the receiver 4058GR868RX8 and the GR868 peripherals.

Specifications

- Power supply: 230 Vac
- Battery: Ni-Cd 7.2 V 400 mAh (included)
- Power consumption: 100 mA
- Number of peripherals: from 6 (only TX and TX/RX devices) to 8 (only TX devices)
- LEDs: 11 (8 Inputs, 1 Battery Status, 1 Tamper, 1 main power supply network status)
- Test of wireless range: LEDs
- Degree of Protection: IP34
- Operating Temperature: +5 °C ÷ +40 °C
- Dimensions: 170 x 107 x 30 mm
- Weight: 0.260 kg (battery excluded)

AVAILABLE ACCESSORIES

001515/00108AB • NiCd battery 7.2 V 400 mAh

No Alarm (Triple AND)
PET-IMMUNITY

No Alarm (Triple AND)

Alarm
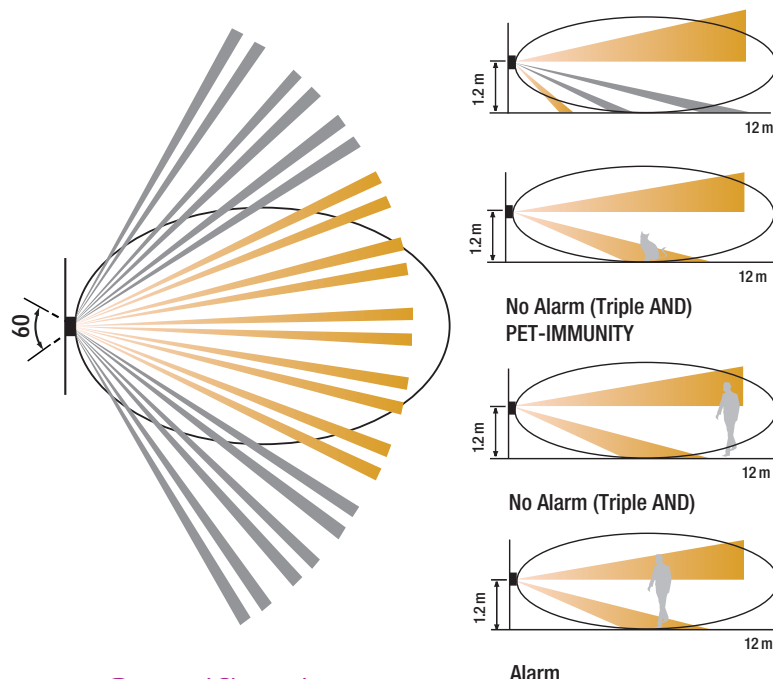
Wireless System
GR868 *Series*

WIRELESS OUTDOOR TRIPLE TECHNOLOGY PET-IMMUNITY DETECTOR

4043GR868BOBBY

The wireless outdoor triple technology detector **4043GR868BOBBY is composed by two dual passive infrared sensors and one 10.525 GHz microwave**. It works on 868 MHz frequency and can be connected with the receiver 4052GR868RX8; **it has been designed and built to ensure maximum performance in outdoor environment**. The electronic board of the detector is adjustable and allows to obtain an horizontal coverage of 60° distributed on a plane of 150°. The fixing of the detector can be both on wall and pole (height from 1 m to 1.2 m). The lower infrared beam is vertically adjustable and allows to obtain a range of coverage between a minimum of 3 m and a maximum of 12 m. The three sensors, which are managed by a microcontroller, can be combined in different operation modes (triple AND, AND the MW with each PIR, MW AND PIR 1, MW AND PIR 2). It uses two solid-state relays for alarm management. **If set in triple AND the detector allows the discrimination of pets** (*Pet-Immunity*).

Specifications

- Detection: 2 PIRs + 10.525 GHz microwave
- Power supply: Lithium battery 2/3 A 3.6 V 1,700 mAh (included)
- Power consumption: 12 µA
- Transmission frequency: 868 MHz
- Modulation: FSK
- DTE - Double Transmission Event
- Wireless range: up to 200 m in free air
- Inhibition: 180 s
- LEDs: 4 (Green - PIR 1, Green - PIR 2, Yellow - MW, Red - Alarm)
- Sensitivity: adjustable and independent for each technology
- AND/OR function: selectable trough DIP-switches - triple AND
  - (PIR1 OR PIR2) AND MW • PIR1 & MW (PIR2 excluded)
  - PIR2 & MW (PIR1 excluded)
- *Pet-immunity*: discrimination of pets if set in triple AND
- Detection Coverage: 60° horizontal opening
- Detection Range: adjustable from 3 to 12 m
- Adjustable lower PIR: Micrometer (patent pending)
- Sun Anti-blinding: through mechanical filters with high efficiency
- Electronic board: 90° horizontally adjustable
- Housing: Polycarbonate and Fresnel lens UV resistant
- Tearing and tampering: microswitch
- Bracket for wall fixing: stainless steel (supplied)
- Tamper protection: against opening and tearing
- Degree of Protection: IP44
- Operating Temperature: -25 °C ÷ +60 °C
- Dimensions: 81 x 76 x 189 mm
- Weight (brackets included): 0.65 kg

AVAILABLE ACCESSORIES

1951-SB5 • Bracket to rotate the BOBBY detector of 5° and eliminate eventual blind corners

1820COVERKIT • Rain cover for BOBBY series

001805/00102AA • Stainless steel pole bracket Kit

001515/00198AB • Lithium battery 3.6 V 1,700 mAh

1955-FB • Extra spacing to distance the BOBBY detector from the installation wall

GR868 Series

4 m

5 m

4 m

1.50 m

Wireless System GR868 *Series*

WIRELESS OUTDOOR TRIPLE TECHNOLOGY CURTAIN DETECTOR

4094GR868BABYWL

The wireless curtain triple technology detector for indoor and outdoor environment. It works on 868 MHz frequency and can be connected with the receiver 4052GR868RX8. **The thin body allows it to be used between window shutter or rolling shutter**, or in outdoor (above a door or a window) with the aid of the bracket 1894SBP. The detector is composed by two dual passive infrared sensors and one 24 GHz microwave; the anti-masking (ON/OFF via DIP-switch) was designed using active IR sensors that, through the Fresnel lenses, have the ability to detect obstacles voluntarily affixed on the lens to prevent detection (spray, tape, paper, etc.). The three sensors, which are managed by a microcontroller, can be combined in different operation modes (triple AND, AND of the MW with each PIR, MW excluded and Double AND of the PIRs, triple OR). **Using the WIN function (Wired Interface Network) is possible to supply the device through the main power, thus the microwave is always ON and the detection has the same performance of a wired detector; with the WIN function is also possible to avoid the inhibition function after the first detection**. Particular attention has been paid to the mechanics; a sealing gasket makes waterproof the compartment in which is housed the printed circuit board and a removable terminal makes easier wiring operations.

Specifications

- Detection: 2 PIRs + 24 GHz microwave
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Stand-by power consumption: 10 µA
- Detection power consumption: 30 mA
- Transmission frequency: 868 MHz
- Modulation: FSK
- DTE - Double Transmission Event
- Wireless range: up to 200 m in free air
- Inhibition: 180 s - 30 s selectable
- LEDs: 4 (Green - PIR 1, Green - PIR 2, Yellow - MW, Red - Alarm)
- Sensitivity: adjustable and independent for each technology
- AND/OR function: selectable trough DIP-switches - triple AND • triple OR • (PIR1 OR PIR2) AND MW • PIR 1 AND PIR 2 (MW excluded)
- Detection Coverage: 5 m at an height of 4 m
- Anti-masking Function: active IRs
- WIN function: Wired Interface Network
- Housing: Polycarbonate and Fresnel lens UV resistant
- Tearing and tampering: microswitch
- Degree of Protection: IP55
- Temperature compensation: automatic
- Environmental Classification: Class III (EN 50130-4)
- RF immunity: compliant to EN 50130-4
- Operating Temperature: -25 °C ÷ +50 °C
- Dimensions: 256 x 34 x 41 mm
- Weight: 0.15 kg

Available Versions

4094GR868BABYWL • 2 PIRs+MW 24 GHz, AM and WIN, white colour
4095GR868BABYWL/M • 2 PIRs+MW 24 GHz, AM and WIN, brown colour

AVAILABLE ACCESSORIES

1904CPB-B • White wedge to adjust the detection angle
1905CPB-M • Brown wedge to adjust the detection angle
1894SBP • Bracket for outdoor wall installation, protected against opening and tearing
001515/00205AB • Lithium battery 3.6 V 2,200 mAh

Wireless System GR868 *Series*

WIRELESS DUAL TECHNOLOGY DETECTORS

4058GR868DT
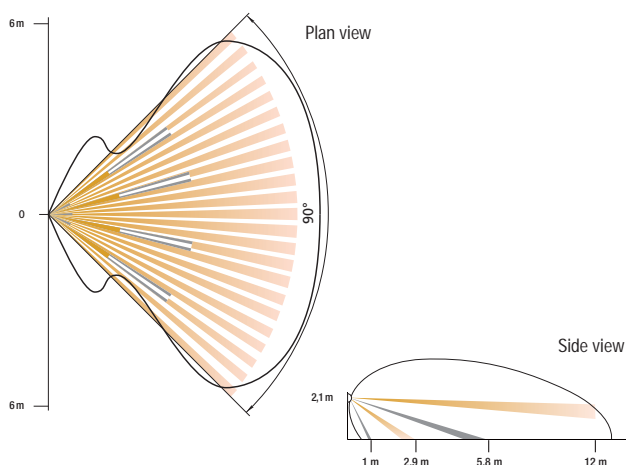
Dual technology detector for indoor environment composed by one dual passive infrared sensor and one 10.525 GHz microwave. It works on 868 MHz frequency and can be connected with the receiver 4052GR868RX8. Bracket included for wall or ceiling installations. Three signalling LEDs (Alarm, microwave, PIR).

Specifications

Plan view

6 m

0

90°

6 m

Side view

2,1 m

1 m   2,9 m   5,8 m   12 m

- Detection: PIR + 10.525 GHz microwave
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Power consumption: 12 µA
- Transmission frequency: 868 MHz
- Modulation: FSK
- DTE - Double Transmission Event
- Wireless range: up to 200 m in free air
- Inhibition: 180 s
- LEDs: 3 (Green - PIR, Yellow - MW, Red - Alarm)
- Sensitivity of the MW: adjustable through trimmer
- Detection Range: 12 m
- Tearing and tampering: microswitch
- Operating Temperature: +5 °C ÷ +40 °C
- Dimensions: 71 x 102 x 56 mm
- Weight: 0.106 kg

Available Versions

4058GR868DT • PIR+MW 10.525 GHz, detection range 12 m, 90°, bracket included
4097GR868DT/T • PIR+MW 10.525 GHz with curtain coverage, detection range 12 m, 6°, bracket included

AVAILABLE ACCESSORIES

1878-SN-DTA • Bracket with tamper
1822SN-DT • Simple bracket
1909-SN-DT-E • Polycarbonate bracket
001515/00205AB • Lithium battery 3.6 V 2,200 mAh

4059GR868ZENITH
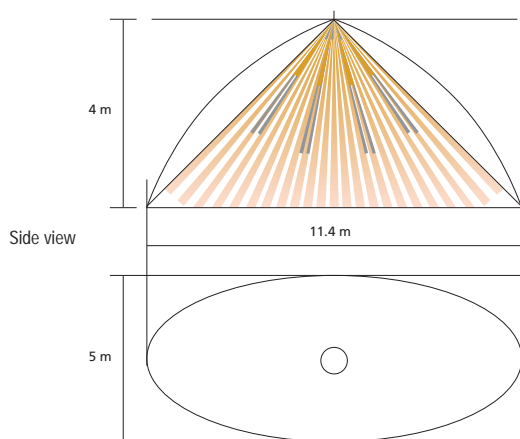
Ceiling mounting dual technology detector for indoor environment composed by one dual passive infrared sensor and one 10.525 GHz microwave. It works on 868 MHz frequency and can be connected with the receiver 4052GR868RX8. Three signalling LEDs (Alarm, microwave, PIR).

Specifications

4 m

Side view

11.4 m

5 m

- Detection: PIR + 10.525 GHz microwave
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Power consumption: 12 µA
- Transmission frequency: 868 MHz
- Modulation: FSK
- Wireless range: up to 200 m in free air
- Inhibition: 180 s
- LEDs: 3 (Green - PIR, Yellow - MW, Red - Alarm)
- Sensitivity of the MW: adjustable through trimmer
- Detection Coverage: 11.4 m of diameter installed at 4 m, 360°
- Tearing and tampering: microswitch
- Operating Temperature: +5 °C ÷ +40 °C
- Dimensions: ø 129 x 43 mm
- Weight: 0.106 kg

AVAILABLE ACCESSORIES

001515/00205AB • Lithium battery 3.6 V 2,200 mAh

WIRELESS PERIMETRAL CONTACTS

4049GR868TP

Magnetic contact for windows and door protection. It works on 868 MHz frequency and can be connected with the receiver 4052GR868RX8.

Specifications

- Detection: magnetic contact
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Power consumption: 12 µA
- Transmission frequency: 868 MHz
- Modulation: FSK
- DTE - Double Transmission Event

- Wireless range: up to 200 m in free air
- LEDs: 1 (Red - Alarm)
- Colour: White
- Operating Temperature: -5 °C ÷ +40 °C
- Dimensions: 135 x 35 x 24 mm
- Weight: 0.10 kg

Available Versions

4049GR868TP • Magnetic contact, white colour

4049GR868TP/M • Magnetic contact, brown colour

AVAILABLE ACCESSORIES

001515/00205AB • Lithium battery 3.6 V 2,200 mAh

4048GR868LESW

Contact with wire for the protection of rolling shutters. Protection against lifting, cutting or tearing; it is possible to activate alarm with the shutter not fully lowered since the microswitch inside is permanently closed and detects only the status changes. It works on 868 MHz frequency and can be connected with the receiver 4052GR868RX8. The contact is covered by two patents.

0001427200 **PATENTED** *1231683*

Specifications

- Detection: OMRON microswitch activated by patented mechanism
- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Power consumption: 12 µA
- Transmission frequency: 868 MHz
- Modulation: FSK
- DTE - Double Transmission Event

- Wireless range: up to 200 m in free air
- Wire length: 2.8 m ÷ 3.1 m
- Slide brackets for simplified installation: not included
- Operating Temperature: -5 °C ÷ +40 °C
- Dimensions: 160 x 90 x 15 mm (without brackets)
- Weight: 0.20 kg

AVAILABLE ACCESSORIES

001515/00205AB • Lithium battery 3.6 V 2,200 mAh

1829LESW/ST • Fixing bracket

4067GR868TP/AS

Module to detect disturbance or signal's saturation. It works on 868 MHz frequency and can be connected with the receiver 4052GR868RX8.

Specifications

- Power supply: Lithium battery AA 3.6 V 2,200 mAh (included)
- Power consumption: 12 µA
- Transmission frequency: 868 MHz
- Modulation: FSK
- DTE - Double Transmission Event

- Wireless range: up to 200 m in free air
- Colour: White
- Operating Temperature: -5 °C ÷ +40 °C
- Dimensions: 135 x 35 x 24 mm
- Weight: 0.10 kg

AVAILABLE ACCESSORIES

001515/00205AB • Lithium battery 3.6 V 2,200 mAh

Accessories & Devices

Accessories & Devices

BOBBY Series

001805/00102AA
Stainless steel pole bracket kit

001805/00092AA
Stainless steel pole bracket kit for BOBBY/U

1820-COVERKIT
Rain cover for BOBBY series

1819KR-KIT
Heater kit with hygrometer and temperature sensor.
Power consumption max 300 mA

1821KR-KIT/E
Heater kit with temperature sensor.
Power consumption max 300 mA

1951-SB5
Polycarbonate bracket to rotate the BOBBY detector of 5° and eliminate eventual blind corners. Only for volumetric versions

1954-SR4
Board with 4 relay outputs (right alarm, left alarm, anti-proximity alert, low voltage signalling) and alarm signalling buzzer, housed in a polycarbonate watertight support. Only for BOBBY180 Series

1955-FB
Polycarbonate watertight extra spacing to distance the BOBBY detector from the installation wall. Grey colour. Dimensions: 186 x 80 x 26 mm

BABY Series

1904CPB-B
Wedge to adjust the detection angle, 8°.
White colour

1905CPB-M
Wedge to adjust the detection angle, 8°.
Brown colour

1894-SBP
Polycarbonate bracket for outdoor wall installation of BABY series detectors, to protect doors or windows.
Tamper microswitch. Dimensions 275 x 105 x 50 mm

1949-SPB-B
Polycarbonate watertight extra spacing to better lodge the Transmitter Board. Dimension of the Transmitter casing: 90 x 23 x 43 mm including extra spacing height. Dimension of the Transmitter casing: 90 x 23 x 53 mm including two extra spacing heights. White colour

1950-SPB-M
Polycarbonate watertight extra spacing to better lodge the Transmitter Board. Dimension of the Transmitter casing: 90 x 23 x 43 mm including extra spacing height. Dimension of the Transmitter casing: 90 x 23 x 53 mm, including two extra spacing heights. Brown colour

PERIMETRAL Contacts

1890MODULO/CI
Self-powered pulse counter

APP

LinceGSM
Free APP for the remote management of your alarm system

LinceGSM

myLINCE
Free APP to manage the LINCE Loyalty Program and receive LINCE products as gifts

myLINCE

JOLLY and DTP Series

1822SN-DT
Simple bracket

PATENTED 0001382164

1878-SN-DTA
Bracket with tamper

1909-SN-DT-E
Polycarbonate bracket

LESW Series

1829LESW/ST
Fixing bracket

PATENTED 0001427200

CONTACTLESS Series

4133RFIDCARD
RFID CARD 85 x 54 mm 125 kHz

4135ROUND-KEYFOB
RFID round key ring Ø 35 mm 125 kHz

FOGGING System

001500/00251AA
Cylinder for fogging fluid (vertical)

001500/00251BA
Cylinder for fogging fluid (horizontal)

1931-FOG-ST
Bracket for wall mounting

1933-FOG-PU7
7 cm nozzle extension

1152SC2PP
1-output relay board to arm the fogging system (necessary for control panels with NEGATIVE when system is armed)

1932-FOG-SR
4-outputs relay board to monitor fogging system signals (necessary for control panels with N.C. inputs not managing input balancing)
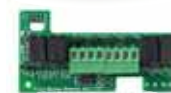
MISCELLANEOUS

4037S137PLUS
1-relay interface card with transponder keys

4033EUROMKPLUS
3-relay interface card

4281-S137PLUS-CL
1-relay interface card with transponder keys (contactless)

4282-EUROMKPLUS-CL
3-relay interface card with transponder keys (contactless)

1699LMQ35
Switching mode battery charger 13.8 Vdc 3 A

1936-GCONT
Uninterruptible Power Supply made of ABS.
Dimensions 185 x 135 x 60 mm

9575-GOLD-OUT-GC
Wireless output module GOLD 869 with integrated Uninterruptible Power Supply made of ABS. Dimensions 185 x 135 x 60 mm

	BATTERIES
473LI1,3-12	Lead battery 12 V 1.3 Ah
474LI2,2-12	Lead battery 12 V 2.2 Ah
1112LI7,2-12	Lead battery 12 V 7.2 Ah
001515/00251AA	Lithium battery 9 V 12 Ah with connector
001515/00198AB	Lithium battery 3.6 V 1,700 mAh
001515/00205AB	Lithium battery 3.6 V 2,200 mAh
001515/00108AB	NiCd battery 7.2 V 400 mAh
001515/00231AA	Lithium battery 3.7 V 900 mAh
001515/00289AA	Lithium battery 6 V 12 Ah with connector

Article Index

Article index

myLINCE

LINCE ALWAYS REWARDS YOUR LOYALTY

myLINCE is an APP to manage the LINCE Loyalty Program. Download the myLINCE APP for free from the Play Store or App Store, register and enter a world of advantages and receive all the news from LINCE ITALIA S.p.A.

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BUY ITEMS FROM THE LINCE BURGLAR ALARM CATALOG*

SCAN THE QR CODE THAT YOU FIND ON THE PRODUCT, THROUGH THE MYLINCE APP

START ACCUMULATING POINTS AND CHOOSE YOUR PRIZE

*As long as the product belongs to one the following familles: control panels, dialers, detectors, sirens, keypads, receivers, software, kits. Accessories, blinds, keys, electrical components, contacts, expansions, insertion devices, interfaces, optical indicators, brackets, cases are excluded from the Loyalty Program

GENERAL CONDITIONS OF SALE

Prices • All prices are VAT excluded, net of transport costs. LINCE ITALIA S.p.A. reserves the right to change the price list at any time without prior notification.

Delivery • The Delivery date communicated during the order confirmation is merely indicative and could be subject to change depending on the logistical and production requirements of the LINCE ITALIA S.p.A. Any delay in delivery does not give the customer the right to refuse delivery of products, or to claim damages or compensation of any kind.

Shipments • Shipments, unless otherwise agreed, are to be considered Ex-Works and carriage by a Transport Company established with the Customer.
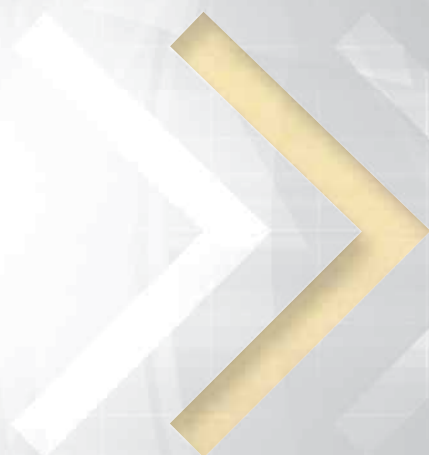
Payments • The purchased products must be paid in advance, unless otherwise agreed in the process of order confirmation.

Returns • To make returns of any kind (repair/replacement/refund) you must request prior Authorization Form (RMA) provided by LINCE ITALIA S.p.A. through the email address: sales@lince.net

Warranty • LINCE ITALIA S.p.A. applies the standard 2 (two) year Guarantee, excluding consumable materials such as lead-acid batteries, lithium batteries, etc. which are guaranteed one (1) year.

Product features • Since LINCE ITALIA S.p.A. designs and manufactures its products in Italy, they may be subject to innovations and/or improvements; these specifications are therefore subject to change without prior notification.

Orders • Each order sent or fulfilled implies full acceptance of all the general conditions of sale. Orders can be issued to: sales@lince.net

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