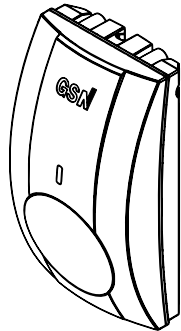


PATROL® - 203PET

PASSIVE INFRARED
DETECTOR
WITH PET IMMUNITY
UP TO 20KG

INSTALLATION
INSTRUCTIONS



GSN Electronic Company Ltd.

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PATROL-203PET

The PATROL-203PET passive infrared detector with dual element pyrosensor provides the most efficient security of residential and industrial premises.

The detector ignores pets of up to 20kg and 1m height.

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FEATURES

- HI-TECH DESIGN
- HIGH RFI & EMI IMMUNITY
- IMMUNE TO PETS UP TO 20KG
- PIR SENSITIVITY ADJUSTMENT
- ANIMAL WEIGHT JUMPER 10/20KG
- HIGH LIGHT IMMUNITY
- HERMETICALLY SEALED PYROELECTRIC SENSOR
- LOW OPERATING TEMPERATURE
- AUTOMATIC TEMPERATURE COMPENSATION

3

DETECTOR INSTALLATION

1. Fix the detector vertically on solid, flat wall surface. The installation height is 2 – 2.5 meters.

For corner or ceiling installations, you can use universal brackets – models: "UBL-1112" or "UBL-1115." (Additional purchase!)

For corner installation, use knockouts located on the sloping part of the detector base.

To connect the wires use the specially signed knockout on the detector base.

2. Connect the wires according to the scheme.



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INSTALLATION LIMITATIONS

- Do not install the detector on unstable or vibrating surfaces.
- Do not install the detector close to curtains, blinds or other items that vibrate with air movement.
- Do not install the detector close to air conditioners, air blast sources or above heat sources.
- Do not install the detector or route power wires and alarm loops next to high voltage cables.

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DETECTOR ADJUSTMENT

1. Remove the front cover.
2. Set jumper JP3 (PET IMMUNITY) according to animal weight.

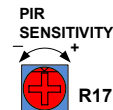
JP3



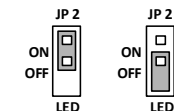
3. Connect the power and wait for LED to stop flashing (warm-up time 60 sec).
4. Replace the cover.
5. Pass in the field of view detector. The RED LED should actively respond to your movement.

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6. Use R17 potentiometer to adjust the PIR sensitivity, moving within the protected area. The RED LED should flash with each step.



LED INDICATION

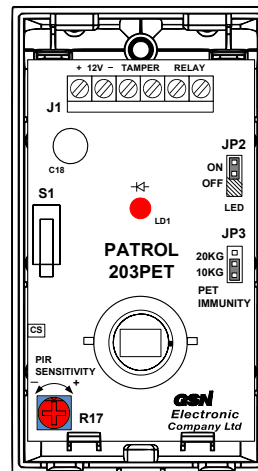


Jumper JP2 enables/disables the alarm LED.

Jumper JP2 ON – LED activated.

Jumper JP2 OFF – LED is disabled.

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- J1** – Terminal block
- JP2** – Jumper JP2 for enable/disable the alarm LED
- JP3** – Animal weight jumper
- R17** – PIR sensitivity adjustment
- S1** – Tamper button

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TECHNICAL SPECIFICATIONS

- Input voltage:.....8.5 – 16V
- Current consumption:
In standby mode:.....12mA
In alarm mode:.....16.5mA
- Warm up period:.....60sec
- Detection range:.....15.6m x 120°
- Detection speed
range:.....0.3 – 3m/sec
- Relay output:.....
.....NC; 60V; 100mA; 16Ω
- Tamper output:.....
.....NC; 10Ω
- Alarm period:.....3sec
- Reset time:.....5 ± 1sec
- PET mode:.....10/20kg
- Installation height:.....2.0 – 2.5m
- Light immunity without sunshield filter:.....no less than 6500lux

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Light immunity with sunshield filter:.....more 30000lux

Operating temperature range:.....– 30°C +60°C

Storage temperature range:.....– 50°C + 80°C

RFI immunity: 30V/m at a frequency range 30MHz-1GHz

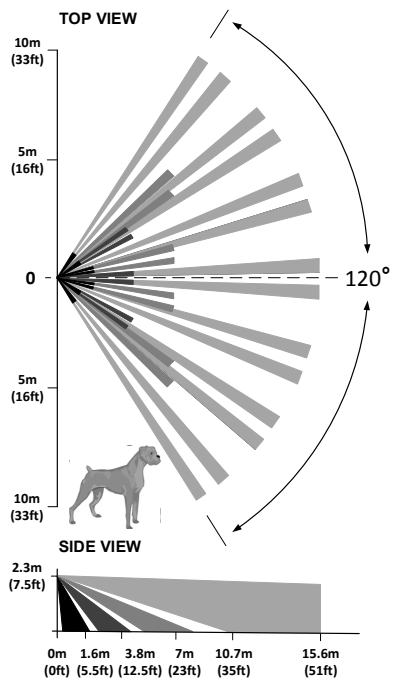
EMI immunity.....50,000V

Dimensions:.....
.....54mm x 33mm x 99mm

Weight:.....75gr.

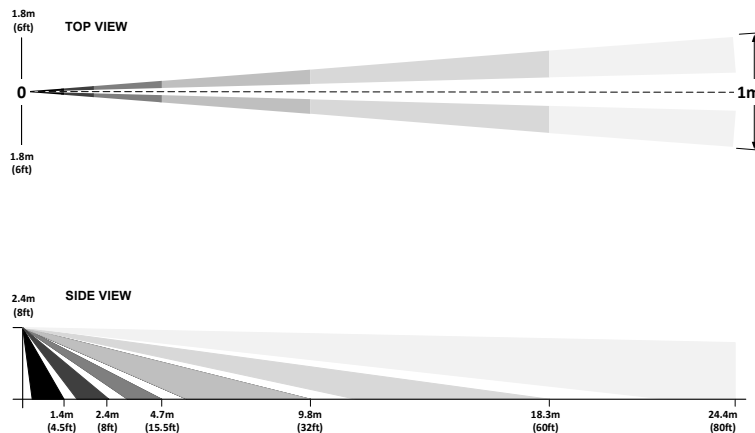
10

WIDE ANGLE LENS



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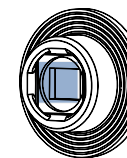
LONG RANGE LENS



*ADDITIONAL PURCHASE

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SUNSHIELD FILTER

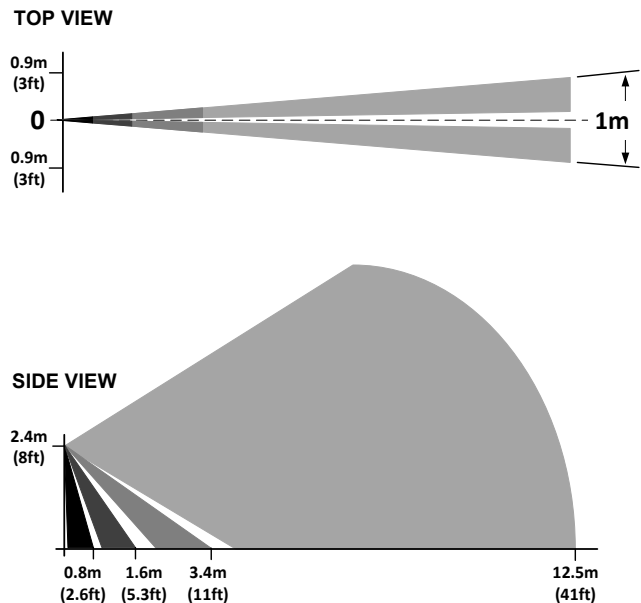


Sunshield filter for extra protection of pyroelectric sensor of detector from sunlight and car headlights.

*ADDITIONAL PURCHASE

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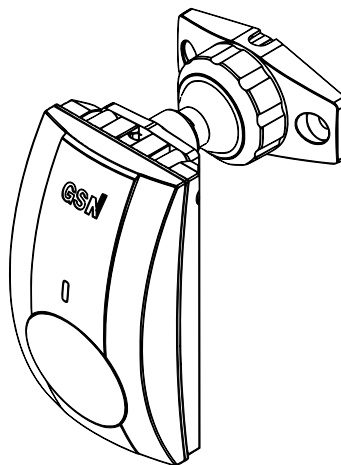
VERTICAL BARRIER LENS



*ADDITIONAL PURCHASE

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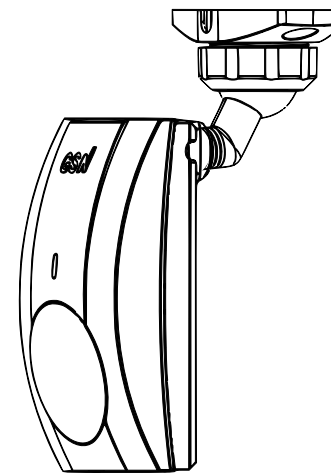
UNIVERSAL BRACKET MODEL "UBL-1112"



*ADDITIONAL PURCHASE

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UNIVERSAL BRACKET MODEL "UBL-1115"



*ADDITIONAL PURCHASE

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WARRANTY:

GSN Electronic Company Ltd. warrants the product to be free from defects in materials and workmanship under condition of observance of service regulations and to be repaired or replaced under absence of mechanical damages for a limited period of five years from the date of sale.

GSN Electronic Company Ltd.

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P/N: USM0EPAT203PET_REV.A

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