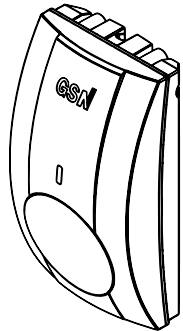


# PATROL® - 403PET

PASSIVE INFRARED  
DETECTOR  
WITH PET IMMUNITY  
UP TO 35KG

INSTALLATION  
INSTRUCTIONS



**GSN** Electronic Company Ltd.

1

## PATROL-403PET

The PATROL-403PET digital passive infrared detector with dual element pyrosensor provides the most efficient security of residential and industrial premises.

**PATROL-403PET** provides pet immune detection up to 35kg and 1m height.

2

## FEATURES

- HI-TECH DESIGN
- HIGH RFI & EMI IMMUNITY
- IMMUNE TO PETS UP TO 35KG
- BIPOLAR DETECTION TECHNOLOGY
- BIPOLAR PULSE COUNTER
- INDIVIDUAL PIR SENSITIVITY ADJUSTMENT
- REGULATOR FOR SELECT THE ANIMAL'S WEIGHT 10/20/35KG
- 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.



4

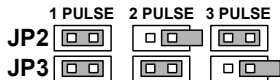
## INSTALLATION LIMITATIONS

- 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.

5

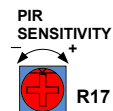
## DETECTOR ADJUSTMENT

1. Remove the front cover.
2. Set regulator S2 (PET IMMUNITY) according to animal weight.
3. Connect the power and wait for LED to stop flashing (warm-up time 60 sec).
4. Select the required number of pulses (1-3) using JP2, JP3 jumpers.  
\*Selectable pulse count 1, 2 or 3 provides users with the option of optimizing detector sensitivity to suit the environment, thus retaining reliable performance at all times.

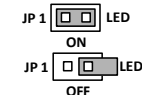


6

5. Replace the cover.
  6. Pass in the field of view detector. The RED LED should actively respond to your movement.
- If necessary, increase the detector PIR sensitivity, using R17 potentiometer "PIR Sensitivity".



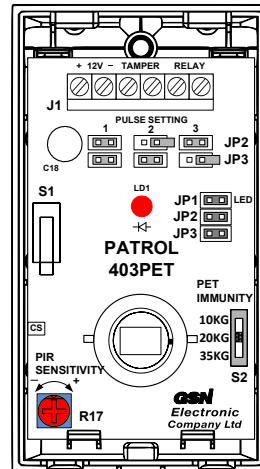
## LED INDICATION



Jumper JP1 enables/disables the alarm LED.

Jumper JP1 ON – LED activated.

7



- J1** – Terminal block
- JP2, JP3** – Pulse counter jumpers
- S2** – Animal weight regulator
- R17** – PIR sensitivity adjustment
- S1** – Tamper button

8

## TECHNICAL SPECIFICATIONS

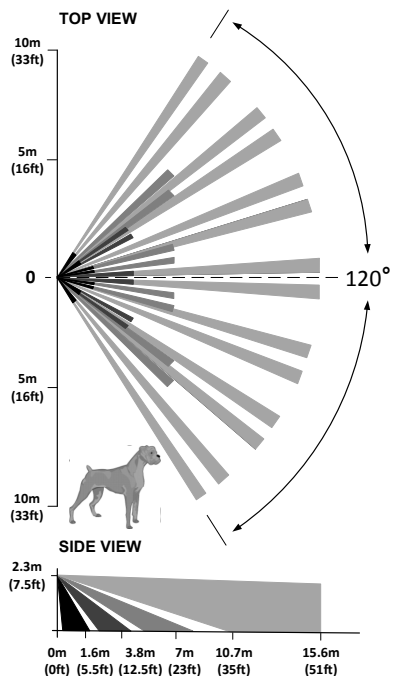
- Input voltage:.....8.5 – 16V
- Current consumption:  
In standby mode:.....9.6mA  
In alarm mode:.....10.5mA
- Warm up period:.....60sec
- Detection range:.....15.6m x 120°
- Detection speed range:.....0.3 – 3m/sec
- Relay output:.....NC; 60V; 100mA; 16Ω
- Tamper output:.....NC; 10Ω
- Alarm period:.....3sec
- Reset time:.....5 ± 1sec
- PET mode:.....10/20/35kg
- Pulse counter:.....1,2,3
- Installation height:.....2.0 – 2.5m

9

- Light immunity without sunshield filter:.....no less than 6500lux
- 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.

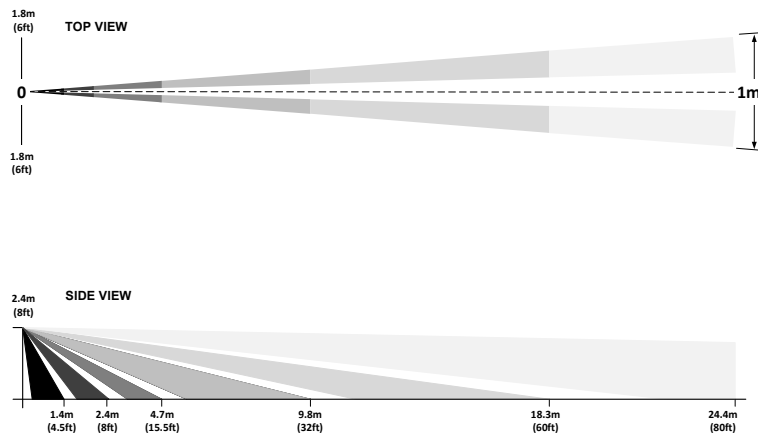
10

### WIDE ANGLE LENS



11

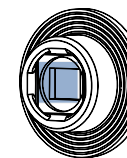
### LONG RANGE LENS



\*ADDITIONAL PURCHASE

12

### SUNSHIELD FILTER

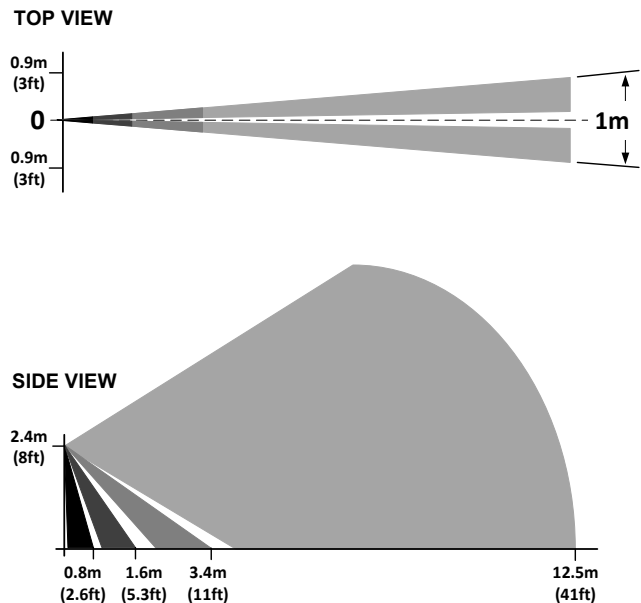


Sunshield filter for extra protection of pyroelectric sensor of detector from sunlight and car headlights.

\*ADDITIONAL PURCHASE

13

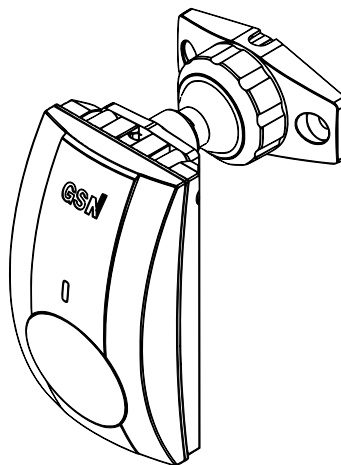
### VERTICAL BARRIER LENS



\*ADDITIONAL PURCHASE

14

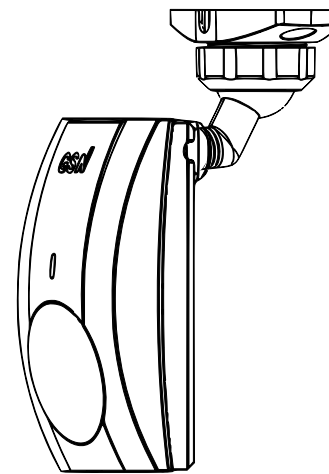
### UNIVERSAL BRACKET MODEL "UBL-1112"



\*ADDITIONAL PURCHASE

15

### UNIVERSAL BRACKET MODEL "UBL-1115"



\*ADDITIONAL PURCHASE

16

### 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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17