# PATROL - 201PET

PASSIVE INFRARED **DETECTOR** WITH PET IMMUNITY UP TO 20 KG

> INSTALLATION INSTRUCTIONS



www.gsncompany.com

## SPECIAL FEATURES.

- High RFI & EMI immunity
- · High light immunity no less than 10000 Lux
- Automatic pulse count
- · Animal weight regulator
- Low operating temperature
- Optoelectronic switch relay
- Hermetically sealed pyroelectric sensor
- Automatic temperature compensation

#### DESCRIPTION.

The PATROL-201PET is a passive infrared detector with dual element pyrosensor, which provides the most efficient security of residential and industrial premises.

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

The Fresnel Technologies Inc's light proof optical lens protects the detector from false alarms resulting from responding to sunlight or headlights exposure.

# **GSN** Electronic Company Ltd. • Elegant design

#### **SELECTING MOUNTING** LOCATION.

Choose a location most likely to intercept an intruder.

The recommended installation height to gain maximum protection zone is 2.1-2.3 meters.

#### **ATTENTION!**

Avoid the following locations:

- Areas with sudden temperature changes
- Areas with draughts
- On unstable or vibrating surface

#### MOUNTING THE DETECTOR.

- 1. To remove the front cover, push the base of the detector with the flat screwdriver.
- 2. To remove the PCB, unscrew the locking screw.
- 3. Detector can be placed vertically or at an angle of 10-15°.
- Use the knockouts on the base of the detector for vertical mounting.
- Use a bracket for mounting the detector at an angle (up to 10-15°).

- 4. Mount the detector base on the wall or onto the bracket.
- 5. Connect the wires according to the scheme.

+ 12V -		TAMPER		RELAY	
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To connect the wires use the specially signed knockouts on the detector base.

6. Place the PCB back and fix it in the desired position with the screw.

- > For vertical mounting the detector place the PCB in the "A" position.
- > For bracket mounting the detector place the PCB in the "B" position.
- 7. Close the detector's cover.

### **AUTOMATIC PULSE COUNT.**

The PATROL-201PET automatically selects and counts incoming pulses, according to the strength of the signals coming to the detector.

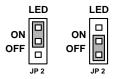
Use the 2 pulses mode for harsh environments (to ensure maximum protection against false alarms).

## **ANIMAL WEIGHT** REGULATOR.

The regulator adjusts the detection sensitivity to the animal weight.



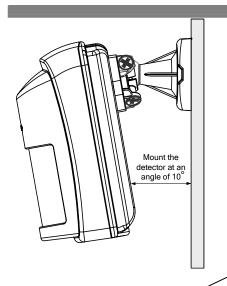
#### LED INDICATIONS ON ALARM.

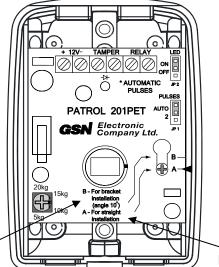


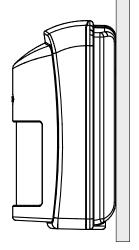
Jumper JP2 will enable/disable the alarm LED.

If JP2 is **ON** – LED will operate on alarm.

If JP2 is OFF - LED will not operate on alarm.



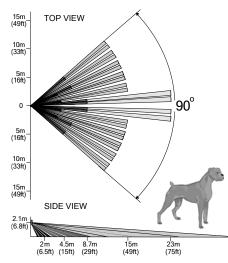




Place the PCB in "B" position for bracket installation.

Place the PCB in "A" position for vertical installation.

## **WIDE ANGLE LENS.**



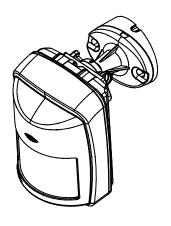
## **TECHNICAL SPECIFICATION.**

Detection speed range:	0.3 - 3.0m/sec
Power input:	8.5 - 16VDC
Current consumpt In stand by mode:	
In alarm mode with LED on:	9.7mA
In alarm mode with LED off:	6.8mA
Pulse mode:	automatic / 2
Alarm period:	3sec
_ Coverage range:	15meters
Relay output:	60V;120mA;16Ω

Warm up period:40±2sec Reset time:5±1sec
Light immunity:no less than 10000Lux
Operating temperature range: 30°C + 50°C
Storage temperature range: – 40°C + 80°C
RFI immunity:30V/m at a frequency range 10MHz-1000MHz
EMI immunity:50 000V
Dimensions:93x66x46mm
Weight:94gr.

## 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.



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