



6000 SERIES PASSIVE INFRARED

Model numbers:

PI6000 (30 lb. Pet Immunity)

6000 (High Density (HD) Lens)



- **Choose from the 6000 with new high density (HD) lens or the PI6000 now with small pet and rodent immunity up to 30 lbs.**
- **ASIC-based signal processing analyzes size, speed, and shape of incoming signals**
- **Sealed optics prevent false alarms caused by insects getting inside detector**
- **Commercial performance in a residential package**

Sentrol's 6000 Series now includes the PI6000 designed to meet the growing need for pet immunity in residential settings. If you have customers with small pets or rodent problems*, you no longer have to mount PIRs at 3-4 feet and change to pet alley lenses. Instead, simply mount the PI6000 at standard mounting height (7-8 ft.). The PI6000's unique optical design optimizes the amount of infrared energy passing through the lens to the pyroelectric sensor. These signals flow through a series of gates in our custom ASIC where the PIR then analyzes the size, speed and shape of the electrical signal, so it's able to discriminate small pets or rodents from intruders.

The PI6000 lens design is optimized for pet immunity while the 6000 incorporates a "quick catch", high-density lens design. Both the PI6000 and 6000 feature easy-to-install housing, sealed optics, an opaque Fresnel lens and either 2 or 3-pulse mode settings. The 6000 Series provides the false alarm immunity typically seen only in much more expensive commercial PIRs.

The PI6000 ships with a 40' pet immunity lens while the 6000 ships with a more dense 35' lens.

*Up to 30 lb pet immunity includes any number of cats, dogs or rodents provided total weight for the combined animals does not exceed 30 lbs and installation instructions are strictly followed.

Sentrol 6000 Series

Specifications:

Electrical

Voltage 10–16 V DC
 Current 14 mA Typical 20 mA max.
 Maximum loop rating 16 V DC, 50 mA
 Alarm output Fail safe contacts–closed loop
 Alarm duration 3.2 seconds (±0.5 sec)
 Cover Tamper Contacts Closed loop
 Rating 16V, 50 mA

Environmental

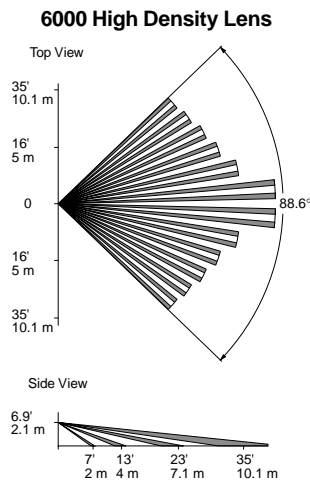
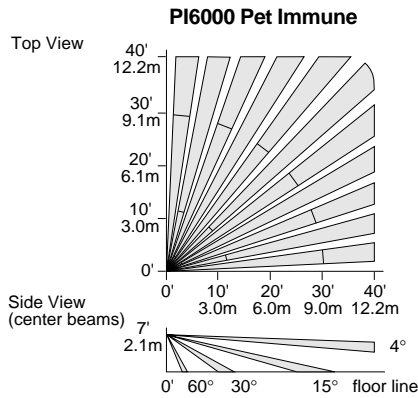
Operating temperatures 14°F to 122°F
 (-10°C to +50°C)
 Humidity 5%–95% noncondensing
 RFI immunity .. Greater than 10 V/meter from 10 to 1000MHz

Static immunity 20 kV
 Lightning immunity 2.4 kV, 1.2 joules max. energy
 impulse, 100 µsec duration on field wiring

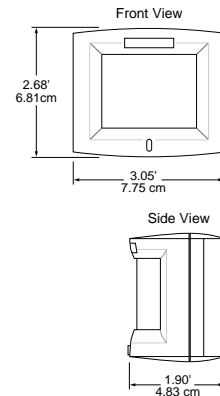
Features

Pulse count 2 pulse or 3 pulse
 Range
 PI6000 40' x 90°
 6000 High Density 35' x 90°
 Mounting 7'– 9' (wall or corner)
 Dimensions 2.68" (6.81 cm) H
 3.05" (7.75 cm) W
 1.90" (4.83 cm) D
 Color White

Lens coverage



Dimensions



Ordering Information

Model Number	Description
PI6000	40' x 40' PIR with 30 lb Pet Immunity Form A, with tamper, pet immune lens
6000	35' x 35' High Density PIR Form A, with tamper, high density lens

*Pet alley lens option available for pets exceeding 30 lbs.



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