

SPACE DETECTION



SENTROL

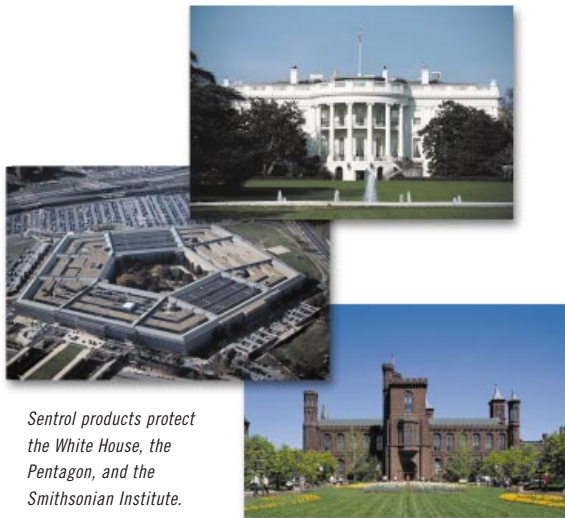


# INNOVATIVE SOLUTIONS FOR REAL-WORLD PROBLEMS

Since our founding in 1977, Sentrol has advanced the security and lifesafety industry by continually producing innovative solutions for real-world problems.

Today, Sentrol products are the choice of more than 10,000 security installation companies from the United States to Russia, from South America to Asia.

Millions of Sentrol sensors protect high-profile facilities throughout the World.



*Sentrol products protect the White House, the Pentagon, and the Smithsonian Institute.*

*Today, we manufacture complete product lines under several well-known brands:*

**SENTROL** 

ESL™ Aritech™ Moose™ GBC™ Kalatel™  
Fiber Options™ Impac Technologies™

## RESOURCEFUL SOLUTIONS MAKE IT EASY

From high-security to best-value solutions, Sentrol offers full product lines to meet all of your

applications. Dealer/installers have come to rely on Sentrol for creative ideas that make installation & service easier, reduce costs, and boost customer satisfaction.



## COMMITMENT TO QUALITY AND GROWTH BRINGS TOMORROW'S ANSWERS

Sentrol's ISO-9001 World-Class Manufacturing center in Portland, Oregon, produces products that offer years of dependable, trouble-free operation. To support our continued focus on inventive solutions, we are expanding our global resource base with engineering and manufacturing facilities throughout North America, Europe, South Africa, and Asia.

### SENTROL INNOVATIONS:

- Range-Controlled Radar™ motion sensor
- CleanMe® smoke detector remote maintenance alert
- Smoke detector self-diagnostics
- ShatterPro™ First and smallest recessed glassbreak sensor
- R1078 Drop-in channel magnet
- High-Performance FM Wireless System
- Vacuum Florescent Display keypad

# SENTROL – LEADERS IN ADVANCED SPACE DETECTION

Ongoing research and development combined with tomorrow's vision help us create extraordinary solutions for your toughest problems. Sentrol space detection products blend installation flexibility, advanced detection



technology, attractive design, and false alarm reduction features.

**The result:** unsurpassed performance and reliability. You'll benefit with fewer service calls, reduced false alarms, and happier customers.

## SPACE DETECTION INNOVATION HIGHLIGHTS



### YESTERDAY

#### **6155 Sharpshooter PIR**

The industry's first zone-sighting system mirror eliminated the need for walk-testing and drastically reduced installation time.

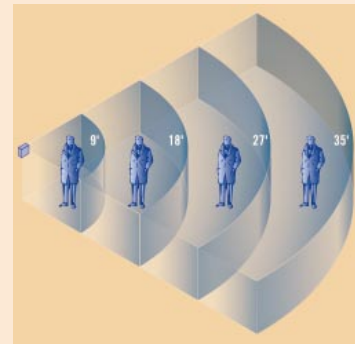
- *Protects U.S. military command posts and airports around the world*



### TODAY

#### **AP950AM High-Security PIR**

The industry's first anti-masking PIR blocks masking attempts using a patented light-guide system that reliably detects materials such as cloth, wood, metals, paper, glass, gum, and paint.



### TOMORROW



#### **AR435 Range-Controlled Radar**

The industry's new standard in false-free detection solves your toughest applications with exclusive 4-zone Coverage-on-Demand radar technology. Can be stealth-mounted in specialty applications.



### AP950AM High Security PIR with Anti-Masking


- High Security PIR with anti-masking feature detects attempts at blocking its field of view
- 9 curtains at 50 ft. each with two plastic mask inserts for improved flexibility
- Patented anti-masking feature emits active infrared light beams across the entire window ensuring total protection

Ordering Information	Model Number	Listing
Commercial Grade PIR with High-Security Anti-Masking Feature 9 curtains at 50' (15m)	AP950AM	 



### AR435 Range-Controlled Radar™

- Coverage-on-Demand™
- Four detection patterns — 9 to 35 ft.
- Ignores small animals up to 20 lbs. without restrictions
- Stealth mounting option



Ordering Information	Model Number	Listing
Range-Controlled Radar™ Form C relay	AR435	



### AP669 Ceiling Mount PIR Dual Optic Technology

#### Adaptive Passive Infrared

- Dual Optic Technology™ (DOT)
- 60 ft. diameter 360° coverage
- 18 full curtains provide superior detection at all mounting heights (8-16 ft.)
- 180° shunt provides flexibility to use only one-half of the unit's field of view when necessary



Ordering Information	Model Number	Listing
Commercial Ceiling Mount PIR 60' (18.2m) diameter, 18 curtains, 12 or 24 Volts, Form C, tamper, UL and ULC	AP669	 



### AP633 200-Ft. Long Range PIR 80-Ft. Wide Angle PIR

#### Adaptive Passive Infrared





- 200' (60.1m) long range and 80' (24.4m) wide angle combined in one sensor
- Select from 12 coverage patterns on site
- Microprocessor controlled "4D" processing for maximum resistance to false alarms

Ordering Information	Model Number	Listing
Long Range/Wide Angle PIR 200' (60.1m) long range/80' (24.4m) wide angle PIR, Tamper, Form C relay, 12 coverage patterns	AP633	 



### 6155/CT Sharpshooter™ PIR

- When you need 1 unit to handle every application
- Advanced Digital Signal Processing and custom ASIC reduce false alarms
- Masking kit included for flexible coverage options



Ordering Information	Model Number	Listing
Sharpshooter PIR Includes swivel bracket, hardware, standard lens and masking kit. <b>Note: Black Sharpshooter only available with standard lens</b>	6155-N 6155-B	 
Cold Temperature Sharpshooter PIR -40°F to +120°F (-40°C to +50°C) Includes swivel bracket, hardware, standard lens and masking kit.	6155CT-N 6155CT-N	 



### 6000/PI6000 High Performance PIR or PIR with Pet Immunity (up to 30 lbs.)

- Commercial performance in a residential package
- PI6000 has ASIC-based signal processing with sophisticated motion verification ignores small pets & rodents up to 30 lbs.\*
- Sealed optics prevent false alarms caused by insects getting inside detector

\* Small pet and rodent immunity up to 30 lbs. with standard PI6000 lens, provided installation instructions followed.

Ordering Information	Model Number	Listing
35' x 35' High Density PIR Form A, with tamper, standard lens (6000K includes pet alley, standard and long-range lenses)	6000 6000K	 
40' x 40' PIR with 30 lb. Pet Immunity Form A, with tamper, standard lens with pet immunity (PI6000K includes pet alley, standard and long-range lenses)	PI6000 PI6000K	 

# S P A C E D E T E C T I O N



## 6187CTX Industrial/Outdoor Sharpshooter™

- Indoor or outdoor applications
  - Ultraviolet-stabilized protective lens cover
  - Water resistant, dust proof
  - -40°F (-40°C) to +120°F (50°C) operating temperature
- Die-cast aluminum housing with gasket for rugged installations



## 6197/6198 Intrinsically Safe PIR System and Non-Incendive PIR

- UL and FM-approved PIR system
- Cast metal PIR, both water resistant and dust proof
- Advanced signal processing for superior intruder detection

Ordering Information	Model Number	Listing
Sharpshooter PIR Industrial/Outdoor – Form C Includes hardware, three lenses and masking kit for wireless or special configuration, call factory	6187CTX-N	

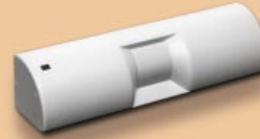
Ordering Information	Model Number	Listing
Sharpshooter PIR Intrinsically Safe System Approved for Class I, II, III, Division 1, Groups A, B, C, D, E, F, G	6197-N	
Sharpshooter PIR Non-Incendive Approved for Class I, Division 2, Groups A, B, C, D	6198-N	



## AP750 True 3D Curtain Coverage PIR

### Adaptive Passive Infrared

- AP750 provides four separate curtain coverage patterns with 50' (15.2m) range
- Mounting height 6'-10' (1.8-3.0m) with AP750 model
- AP475 provides a unique, single curtain coverage pattern that extends to 75' (190.5m)—mounts up to 16 ft.



## RTE1000 Request-to-Exit PIR

- Wall, door frame, or ceiling mount
- Built-in sounder for door position monitoring
- Dual relay outputs
- Adjustable range

Ordering Information	Model Number	Listing
Commercial Grade PIR with Range Control 7 curtains at 50' (15m), Form C relay with tamper	AP750	
Commercial Grade PIR Single curtain at 75' (23.8m), mounting height up to 16' (4.8m), Form C relay and tamper	AP475	

Ordering Information	Model Number	Listing
Request to exit PIR with built-in sounder 12 or 24 Volt, dual relay output	RTE1000	
Request to exit PIR with built-in sounder 12 or 24 Volt, dual relay output	RTE1000B	



## 6255/FM SureShot™ PIR Flush Mount

- Ideal for prewire and flush mount applications
- The only PIR with all these coverage patterns built in:
  - 360° ceiling mount
  - Wide angle
  - Pet alley
  - Vertical barrier
  - Single spot zone

## Ordering Key

Color	Product # Suffix
White	W
Brown	M
Gray	G

Ordering Information	Model Number	Listing
SureShot PIR Includes masking templates to create 5 coverage patterns	6255-W	
SureShot Flush Mount PIR Includes masking templates to create 5 coverage patterns	6255FM-W	

## ACCESSORIES



### AP669RK

Recessed Mounting Kit

Ordering Information	Model Number
AP669 Recessed Mounting Kit for semi-recessed mounting in ceiling tiles	AP669RK
AP669 Base Plate	AP669BP



### BR601

Ceiling/Wall Mount Swivel Bracket

Ordering Information	Model Number
Ceiling/Wall Mount Swivel Bracket For use with AP633/643	BR601
Ceiling/Wall Mount Swivel Bracket For use with AP750, AP475 and AP950AM	SB01



### SB01

Ceiling/Wall Mount Swivel Bracket



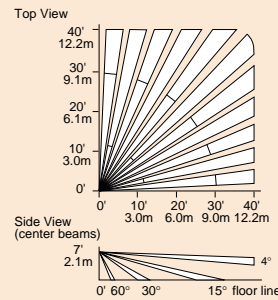
### 6083-N

Swivel Bracket Assembly

Ordering Information	Model Number
Swivel Bracket Assembly for 6180/90 Series Includes hardware for mounting to housing (hardware for mounting to surface not included)	6083-N

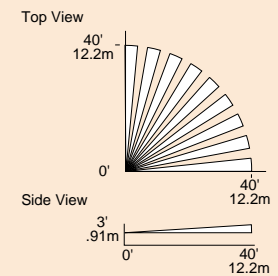
### PI6000STD

40' Standard Lenses



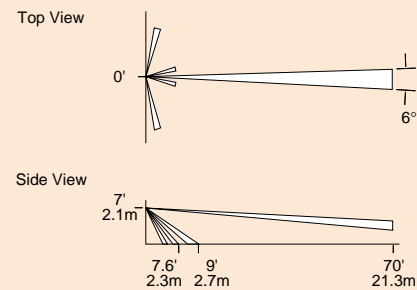
### 6000PET

40' Pet Alley Lenses



### 6000LR

70' Long-Range Lenses



Ordering Information	Model Number
40' Standard Lenses, 5 pack for PI6000	PI6000STD
35' Standard Lenses, 5 pack for 6000	6000STD
40' Pet Alley Lenses, 5 pack for PI6000 & 6000*	6000PET
70' Long-Range Lenses, 5 pack for PI6000 & 6000	5820A-W

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



Give our sensors a try in your toughest application. If they don't solve your problem, we'll give you \$50 in Sentrol product credit. How can you lose? Call us for details.

## SPACE DETECTION SPECIFICATIONS

<b>ELECTRICAL</b>	<b>6150 Series</b>	<b>AP Series</b>	<b>AR Series</b>	<b>6180 Series</b>	<b>6190 Series</b>	<b>6250 Series</b>	<b>RTE Series</b>
<b>Voltage</b>							
7 to 16 V DC	✓			✓	6198	✓	
3-volt wireless							
9-volt wireless							
10 to 16 VDC		✓	✓		6197		
12 to 24 VAC/DC		✓					✓
<b>Current</b>							
20mA nominal, 35mA max		✓					
40mA			✓				
8mA typical, 10mA max	✓			✓	6198	✓	
12mA typical, 20mA max		✓					
50mA max, 60mA max					6197		✓/-
<b>Alarm Loop Rating</b>							
16 VDC, 50mA	✓		✓	✓	✓	✓	
30 VAC/DC, 1A							
<b>Alarm Output</b>							
Fail Safe contacts with 10 Ohms in series	6155				6198	6255	
Form A, normally closed	6155CT					6255FM	
Form C, normally closed and open (SPDT) with 10 Ohms in series	6157 6157CT/AL	✓		✓	6197	6257 6257FM	
2 Form C, DPDT			✓				
Normally high and normally low							
<b>Alarm Duration</b>							
2 to 5 seconds	✓	✓		✓	✓	✓	
2 to 5 seconds in walktest mode			✓				
5 to 9 seconds in RF mode							
0 to 90 seconds retriggerable, adjustable							
<b>Cover Tamper Contacts</b>							
Normally closed, rating: 50mA, 16V, no resistance	✓			✓	6198	6257 6257FM	
Normally closed, rating: 50mA, 16V, 10 Ohms in series					6197*		
<b>ENVIRONMENTAL</b>							
<b>Operating Temperature</b>							
0°F to 120°F (-17°C to 50°C)	6155	✓				✓	
2°F to 122°F (-17°C to 50°C)			✓				
-40°F to 120°F (-40°C to 50°C)	6155CT			✓	6197 6198 6197**		
-4°F to 140°F (-20°C to 60°C)							
<b>Humidity</b>							
Dust Proof, Water Resistant				✓	✓		
10% to 90% noncondensing/ 5% to 95% non-condensing	✓	✓	✓/-	✓	✓	✓	✓/-
<b>RF Immunity</b>							
Greater than 10V meter from 0 to 1000MHz	✓			✓	✓	✓	
<b>Lightning Immunity</b>							
2.5KV, 2 joules max energy impulse,	✓			✓	✓	✓	
1 msec rise/50 msec decay	✓			✓	✓	✓	
Static Discharge 20KV	✓			✓	✓	✓	

\* PIR only (not in Barrier Box)

\*\* Barrier Box



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# SPACE DETECTION

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