



# POTTER PIR-TECT 1 Dual PIR External Motion Detector Owner's Manual

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**POTTER PIR-TECT 1 Dual PIR External Motion Detector**



## EXTERNAL MOTION DETECTOR

- Dual PIR Technology
- Controls cameras and other alarm warning devices
- Field programmable beam range (30ft, 65ft, 98ft)
- Aesthetically pleasing modern design
- Sliding curtains for masking
- High immunity to common false alarm triggers
- Flexible mounting height up to 20ft (10ft optimal)
- Dual tamper for rear and cover
- Internal adjustable pan (180 degree) & tilt (90 degree) electronics module

**Stock number:** 4100001

The PIR-TECT 1 motion detector is a highly versatile external motion detector. The PIR-TECT 1 simplifies project design by offering the ability to program a single unit as a short-range, mid-range, or long-range detector in the field. In addition, the flexible mounting height along with the adjustable pan and tilt module allow the view of a security camera and the PIR-TECT sensor to coincide, providing more accurate threat detection. Through the use of advanced signal processing, PIR-TECT 1 has exceptional resistance to false alarms which enhances detection and reduces unnecessary responses. The flexibility of the PIR-TECT external motion detectors are enhanced with the additional accessories.

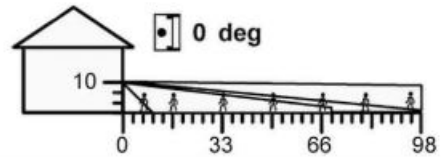
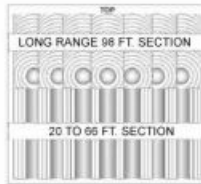
Model Number	Stock Number	Description
PIR-305	4100005	Conduit adaptor ring
PIR-306	4100006	Pole mount clamp
PIR-307	4100007	Walk tester

Detection Area	Programmable between 33 and 98 ft
Coverage	10-70 degrees detection angle, 98ft x 79ft coverage max
Adjustment	180 degree pan and 90 degree tilt
Fresnel Lens	28 zones for each pyro pair, which can be masked with the curtain sliders
Customized Optics	Double silicone shielded quad element eliminates 50,000 lux of white light
Outputs	Silent solid state magnetically immune
No.1 (N.O.)	Dry contact 24VAC/DC @ 50mA

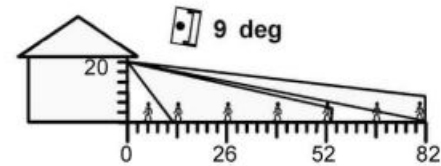
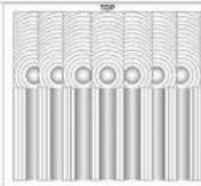
No.2 (N.C.)	Dry contact 24VAC/DC @ 50mA
Power Input	9 to 15 VDC
Current	8mA (1 2V nominal)
Pulse Count	1 – 2
Temp. Compensation	Digital sensitivity adjustment
Control	Digital microprocessor – non volatile memory
Walk Test	Output test mode with LED indication
Operating Temp	-4°F to 131°F
Housing	High impact zinc alloy
Lens	High Density Polyethylene
Protection Rating	IP 55
Dimensions	5.71 x 4.72 x 4.52 inches

## Mounting

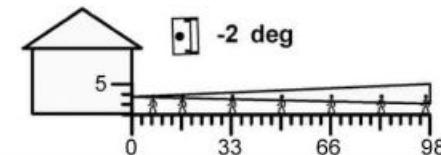
**MULTIBEAM - OPTIMUM**  
 HEIGHT: 10 FEET  
 RANGE: MAXIMUM  
 MODULE TILT: 0 DEGREE



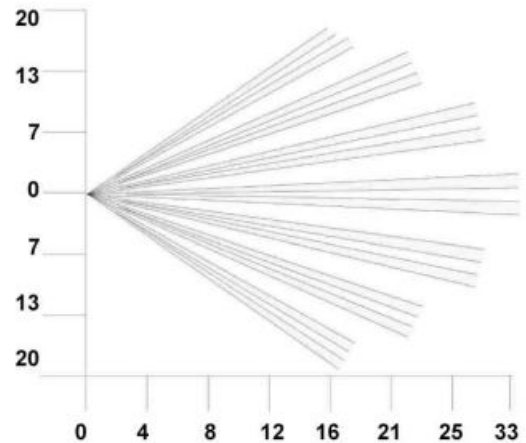
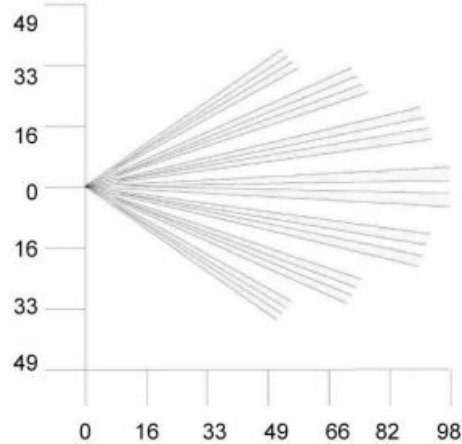
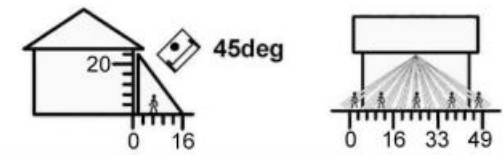
**MULTIBEAM**  
 HEIGHT: 20 FEET  
 RANGE: MAXIMUM  
 MODULE TILT: 9 DEGREE



**PET IMMUNITY**  
 HEIGHT: 5 FEET  
 RANGE: MAXIMUM  
 MODULE TILT: -2 DEGREE



**CURTAIN COVERAGE**  
 HEIGHT: 20 FEET  
 RANGE: MAXIMUM  
 MODULE TILT: 45 DEGREE



- [firealarmresources.com](http://firealarmresources.com)
- Potter Electric Signal Co., LLC
- St. Louis, MO
- Cust Service: 866-240-1870
- Tech Support: 866-956-1211
- Canada 888-882-1833
- [www.pottersignal.com](http://www.pottersignal.com)

## Documents / Resources



[POTTER PIR-TECT 1 Dual PIR External Motion Detector](#) [pdf] Owner's Manual  
PIR-TECT 1 Dual PIR External Motion Detector, PIR-TECT 1, Dual PIR External Motion Detector, External Motion Detector, Motion Detector

## References

- [🔥 Fire Alarm Resources | Download fire alarm documents](#)
- [📄 Potter Electric: Fire Alarms & Fire Sprinkler Systems](#)

Manuals+.