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Perimeter Sentry Model 1.0

Perimeter Sentry is used for intrusion detection over large areas. The system declares an alert and sends a signal to a monitoring station upon interruption of a covert electro-optical beam. The beam reaches over large line of sight distances (up to 900 yards). Distances of several miles can be monitored with the use of a larger and more powerful Beacon. It can be deployed over land or water and can tolerate adverse weather conditions. It operates “hands-off” and can be remotely controlled. It can be battery or solar powered for quick temporary installations or can operate on AC or DC power for permanent installations. Units can be stacked for multiple beam protection. Alarm conditions can be modified to accommodate various installation requirements. Units can be set up for tamper alarm. Units can alarm or communicate via TTL signal levels, relay contact closure, hard line RS-232/RS-485 or RF radio link.

Specifications

Beacon:	4.70" diameter x 5.90" tall	3 lbs
Detector:	4.70" diameter x 5.90" tall	3 lbs
Range:	900 yards	
Covert Operation:	Beam is not detectable by eye or night vision equipment.	
Continuous Operation:	No adjustments required. Operates in day, night, clear, and fog conditions.	
Remote Control:	1 mile range to base station (under normal conditions) for Arm, Disarm, Health Monitor, System test, and Status functions. Range up to 7 miles with clear line of sight using dipole antenna and up to 40 miles using high gain antennas.	
Power Requirements:	12V @ 250ma for detector, 350ma for beacon. Units can operate from 3-45V DC or 3-32V AC.	
Environmental:	Can be operated in marine environment in high waves and high winds. Watertight construction.	