Ceiling Mount Detectors with 360° View

LuNAR

The **LuNAR** Series offers the ideal solution for areas in which wall and corner mounting is unsuitable. LuNAR detectors are particularly useful in rooms where wall placement would cause detectors to be blocked by shelves, closets, or storage areas. **LuNAR DT** and **PR** can be installed up to 4 meters (13ft) high.

Combining sophisticated detection capabilities with a slim, attractive design, these advanced detectors employ a special 110˚ wide-angle spherical Fresnel lens that provides full 360˚ coverage. LuNAR DT and PR detectors suit every interior and are ideal for ceiling mount applications in commercial and residential environments.

LuNAR DT
- Microprocessor-controlled dual technology (PIR+MW)
- Patented true temperature compensation
- Proprietary detection algorithm
- Microwave range adjustment
- Superior fluorescent interference rejection
- Low profile design

LuNAR PR
- Dual element PIR technology
- Adjustable sensitivity, variable pulse count
- Superior fluorescent interference rejection
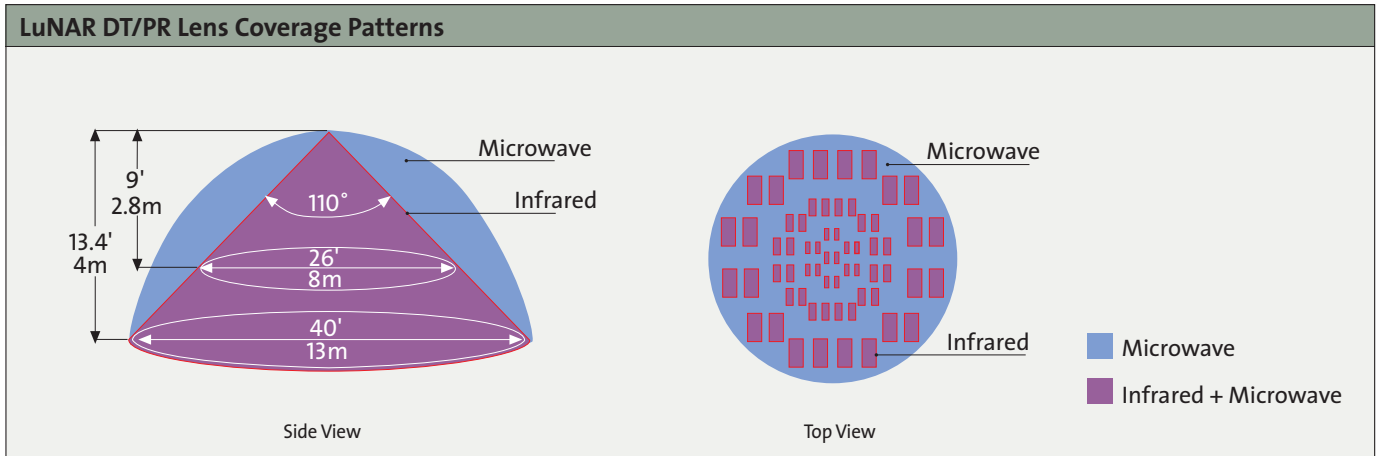- Low profile design
- Cost effective ceiling mount

ROKONET
RISCO GROUP

Intelligence in the Service of Security

Technical Information

Specifications	LuNAR DT	LuNAR PR
Detection technologies	Dual element PIR + Microwave	Dual element PIR
Operating voltage: 9 to 16VDC	✓	✓
Current consumption	15mA at 12V	25mA at 12V
Alarm contacts: 100mA, 24V, N.C.	✓	✓
Tamper contacts: 100mA, 24V, N.C.	✓	✓
PIR lens coverage: 110° angle, 360° overview	✓	✓
Detection zones 60: 30 Fresnel facets arranged in 3 optical levels; 12 external, 12 middle and 6 internal facets	✓	✓
Optical filtering: White light protection	✓	✓
Selectable pulse count	1,2 (alternate polarity)	1,2,3
Temperature compensation	Microprocessor controlled (Patented True Temperature Compensation)	Automatic thermistor-controlled
RF immunity: 30V/m from 10MHz to 1GHz	✓	✓
Walk Test Display	3 LEDs	1 LED
Operating temperature: 0°C to 55°C (32°F to 131°F)	✓	✓
Storage temperature: -20°C to 60°C (-4°F to 140°F)	✓	✓
Dimensions (Diameter x Height): ø135 x 27mm (ø5.3" x 1.1")	✓	✓
Installation Height: Up to 4m (13ft)	✓	✓

LuNAR DT/PR Lens Coverage Patterns

Side View — 9' 2.8m, 13.4' 4m, 110°, 26' 8m, 40' 13m — Microwave, Infrared

Top View — Microwave, Infrared

Microwave
Infrared + Microwave

Complies with EN 50131-1, Grade 2, Class II
FCC Part 15 applies for RK150T
VdS applies for RK2000S

CE UL VdS

© 8/2004 ROKONET Electronics Ltd.

Ordering Information

Part Numbers	Description
RK150T	LuNAR DT
RK150DTI	LuNAR DT for UK
RK2000DPC	LuNAR PR
RK2000S	LuNAR PR with VdS approval

7LF490Q

ROKONET
R I S C O   G R O U P

w w w . r o k o n e t . c o m