

TECHNICAL SHEET

PYRO COUNTER

A lens sensitive to the infrared radiation emitted by the human body detects a change in detected temperature when a person passes in range of the PYRO Sensor. In order to erase false counts that might be generated by moving vegetation or by the sun, each time a person passes in front of the sensor, the signal is analyzed according to four points by a signal processing algorithm. This patented technology developed by Eco-Counter features two detection beams which are analyzed by two distinctive cells, making it possible to reliably detect the people's direction with a single sensor.

- + Battery powered
- + Easy to conceal and install
- + Seamless data transmission



Physical Characteristics

+ PYRO Sensor

External Dimensions	100 x 40 x 20 mm (4" x 1.6" x 0.8")
Cells Dimensions	Ø 10 mm (0.4") / Thickness: 0.7 mm (0.03")
Cable Length	4 m (15')
Resistance	To all climates
Material	+ Cells: High-density Polyethylene (HDPE) + Sensor Body: Polyvinyl chloride
Connections	RJ45
Min. Sensitivity	1 °C (2 °F) from the ambient environment
Installation Height	70 - 80 cm (27.5" - 31.5")

+ Post

Dimensions	+ PYRO post: H x W x D= 150 x 9 x 17cm (60"x 3.5"x7") + ReCycled post: H x W x D = 140 x 8 x 15cm (55" x 3" x 6")
Material	+ PYRO post: Class 4 autoclave-treated pine wood + ReCycled post: Recycled plastic

General Characteristics

Technology	Passive Infrared Pyroelectric
Battery Life	+ With automatic data transmission option: 2 years + With manual data collection: Up to 10 years
Calibration	Autocalibration
Settings	Sensitivity can be set with delivered software
Direction	Direction recognition possible with a bidirectional PYRO Sensor
Covered Width	1 meter, 4 meters or 15 meters (3', 15' or 50')
Data Backup	60-minute or 15-minute data recording interval
Memory	> 20 Months
Temperature Resistance	- 40 °C to + 40 °C (-40 °F to 120 °F)
Waterproofness	IP 68

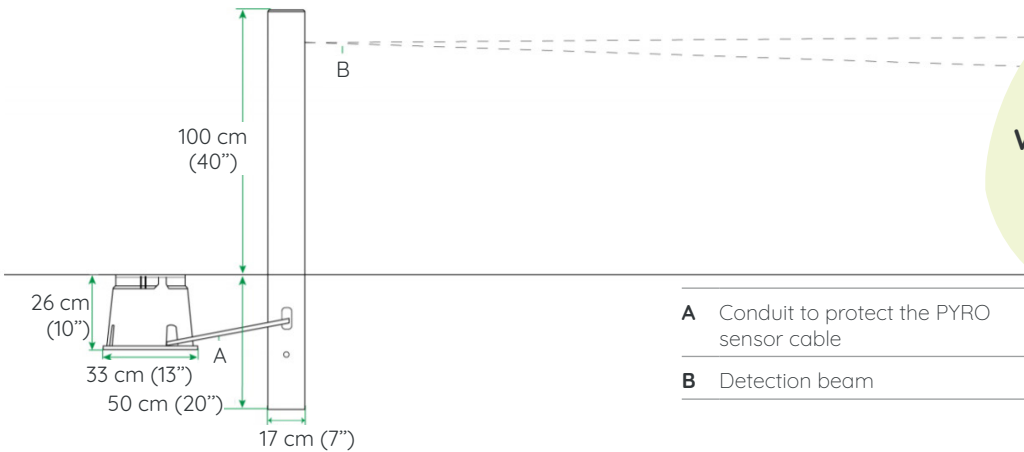


+ Manhole

Dimensions	Ø = 33cm (13"), H = 26cm (10")
Material	High-Density Polyethylene

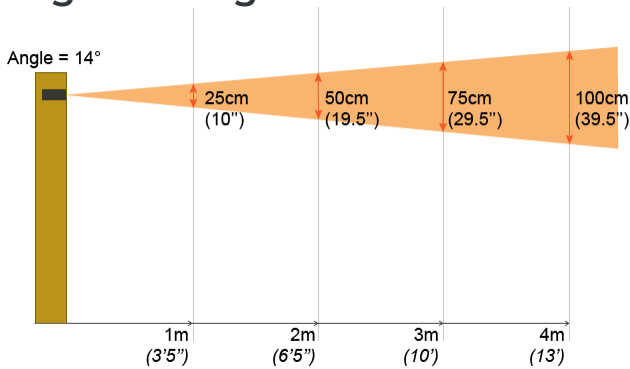
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Installation Example

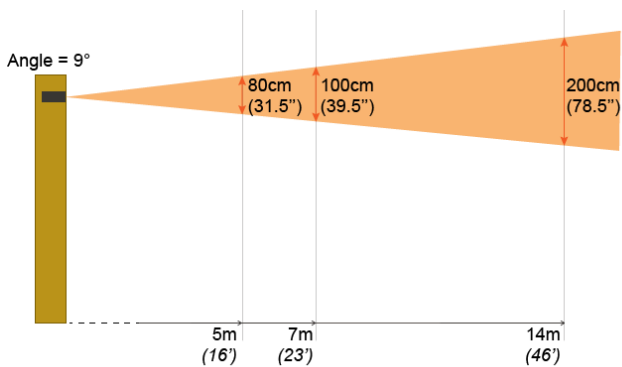


INSTALLATION WITH PYRO POST - SIDE VIEW

Medium Range PYRO Sensor - Angle & Range



PYRO-Zoom - Angle & Range



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