

TECHNICAL SHEET

PYRO EVO FOR THE NATURAL ENVIRONMENT

The PYRO EVO is an ideal people counting solution for urban parks, remote trails, national parks and much more. The system combines a high-precision lens with passive infrared pyroelectric technology to detect heat emitted by the human body. Connected, robust and easy to install, the PYRO EVO provides the key data needed to develop your bike and pedestrian count program.

The PYRO EVO is available in three housing options, each designed specifically to blend into and withstand the harshest natural environments.

- + Robust and waterproof
- + No power supply required
- + Automatic data transmission
- + Discreet, blends into the environment



Internal Sensor Without Housing: Physical Characteristics

Waterproofness	IP 68
Temperature Resistance	-25°C to +70°C (-13°F to 158°F)
Storage Temperature	-40°C to +85°C (-40°F to 185°F)
Weight	≈ 400g (0.9 lbs)
Dimensions	10.3 x 10 x 3.8cm (4.05" x 4" x 1.50")
Material	POM-C (Acetal Copolymer)
Color	Black

General Characteristics

Installation	+ PYRO-Box EVO installation on flat surface or on a pole + PYRO EVO in a Wooden Post installation with stabilizing bar or concrete
Data Backup	60-minute or 15-minute data recording intervals
Memory	40,000 data points*
Direction	Direction detection (optional)
Covered Width	Up to 1 meter, 4 meters or 12 meters (3', 15' or 33'). Two sensors can be combined to cover very wide paths
Calibration	Autocalibration
Data Transmission	Automatic data transmission
Battery Life	Up to 2 years**
Power Supply	2 x 3.6V (3.6Ah) lithium batteries Easily replaceable on the field
Certification	CE, FCC

*Or 400 days in 15-minute data recording intervals

**For one sensor without direction detection, with an average of 2,400 passages and four data transmissions per day

Connectivity

Wireless Connectivity	+ Bluetooth Low Energy (BLE) 5.0 + LTE Cat-M1/NB1
Communication Protocols	HTTP, HTTPS***

Localization

GNSS

***Available in a future version



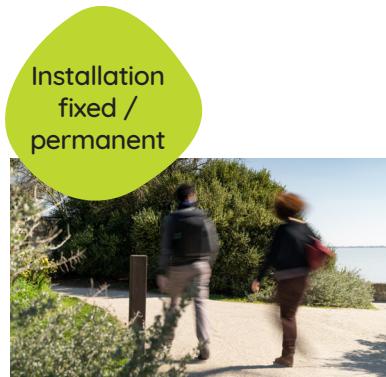
PYRO^{EVO} FOR THE NATURAL ENVIRONMENT

The PYRO^{EVO} is available in three housing options, each specifically designed to blend into and withstand the harshest natural environments.

PYRO^{EVO} in a wooden Post



PYRO^{EVO} in a ReCycled Post

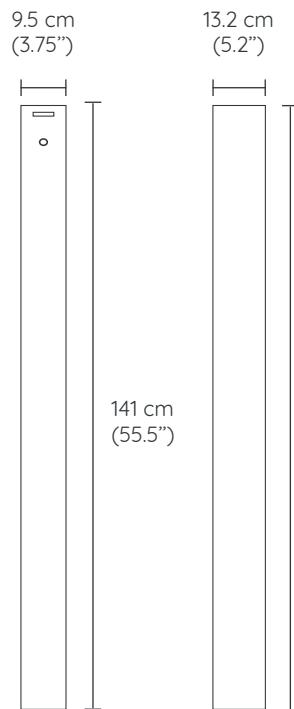


PYRO-Box^{EVO}



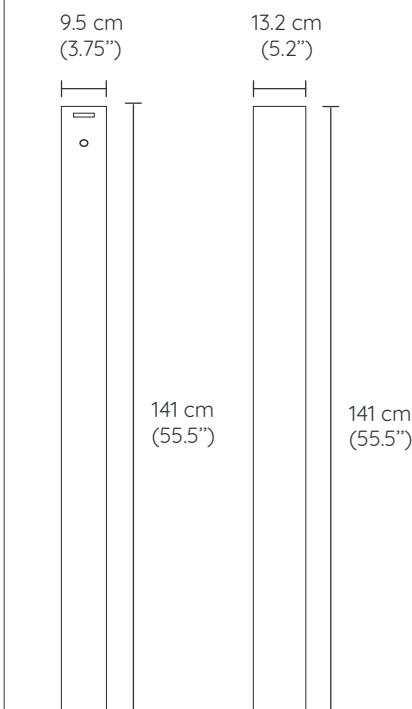
PYRO^{EVO} in a wooden Post

- + Material: FSC and ABS certified wood
- + Dimensions: 141 x 9.5 x 13.2 cm (55.5" x 3.75" x 5.2")



PYRO^{EVO} in a ReCycled Post

- + 100% recycled plastic
- + Dimensions : 140 x 9.6 x 13.4 cm (55.5" x 3.75" x 5.2")
- + Installation with stabilizing bar



PYRO-BOX^{EVO}

- + Material: POM-C (Acetal Copolymer)
- + Color: Grey - RAL 7016 (others may be available on request)
- + Weight: ≈ 820g (1.8 lbs)
- + Dimensions: 12.6 x 12.6 x 5.35cm (5" x 5" x 2.10")

