

Universal Rodent Motion Sensor specifications



Microshare's Universal Rodent Motion sensor is designed for easy retrofit into existing baiting stations, traps as well as for using in spaces where no human activity is expected, such as ceiling voids, runways, etc.

Our sensor uses a combination of on-board detection algorithms and a cloud-based AI engine to eliminate false positives, with up to 85% accuracy reported by Pest control organisations who have deployed tens of thousands.

Radio

Rx sensitivity	-135dBm
Tx Power	EMEA, India: +17dBm North America: +19dBm
Frequency	EMEA, India: 863-870MHz North America: 902-928MHz

Mechanical

Dimensions	50mm x 20mm x 50mm
Weight	30g without battery 40g with battery
Sensor	Dual Passive Infrared detectors Fresnel Lens with 123° horizontal & 93° vertical view

Power

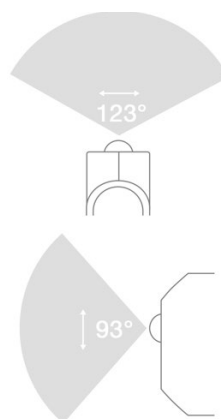
Source	3.6V 1/2 AA Li-SOCI2 LS14250 1200mAh battery
Maximum Voltage	3.6V
Minimum Voltage	3.1V
Current	135mA maximum/ 100uA minimum

Environmental

Temperature	0°C to +50°C
IP rating	IP 50 equivalent

Certifications

FCC ID: 2AMUGTBSP100
IC: 22980-TBSP100
CE
ANATEL
ROHS REACH



Sensors have viewing angles of 123° horizontally and 93° vertically. Lens covers to restrict the angle are available on request for specific needs.

The sensor works by monitoring changes in infrared energy. Avoid pointing lens directly at the light or installing sensors next to vents, radiators, or other heat sources.