

# Indoor Motion Sensors

Alula **motion sensors** monitor homes and businesses for movement, providing real time information about the occupancy of the building. With adaptable and long-lasting sensors designed for residential and commercial applications, Alula enables dealers to protect a wide range of installations.



## Indoor 360 Motion Sensor RE659

A wireless ceiling-mount 360° motion sensor with a 25 to 40-foot range. This low-profile, commercial-grade motion sensor is ideal for larger homes or businesses with large lobbies or multiple entrances on a single floor.

- 360° detection range with 62 distinct detection zones
- Range up to 40 feet in diameter
- Selectable pulse count 2 or 4
- Designed for commercial applications
- 5-year warranty



## Indoor Motion Sensor – Pet Immune RE610P

Protect residential installs, without the fear of false alarms caused by man's best friend. This sleek, yet modest PIR is designed to monitor for human-sized movement, while intelligently tolerating pets.

- Narrow angle detection
- Detection range adjustability
- IP 55 rated weatherproof enclosure
- 5-year warranty



## Indoor Motion Sensor – Commercial RE661

With a similar detection area as the RE610P, this commercially-rated motion sensor monitors the interior of a business. This device ignores small rodents but protects without immunity against larger pets, capturing motion on cats and dogs.

- 85° detection range with 78 distinct detection zones
- Range up to 40 feet
- Selectable pulse count 2 or 4
- Designed for commercial applications
- 5-year warranty



## TECHNICAL SPECIFICATIONS

	RE659	RE610P	RE661
<b>Physical</b>			
Housing Dimensions	4.72 x 1.57 inches (40 x 120 mm)	3.50 x 2.40 x 1.70 in (8.9 x 6.1 x 4.3 cm)	4.53 x 2.44 x 1.97 in. (115 x 62 x 50 mm)
Weight with Battery	4.2 oz (120 g)	3.2 oz (91 g)	3.9 oz (110.6 g)
Mounting Fasteners (all provided)	(3) #8 screws, (1) square nut, (1) #4 screw	3M VHB (Very High Bond) tape or screws	(2) #5 screws, (1) #8 screw, (1) square nut installed in unit, (1) #4 screw
<b>Environmental</b>			
Operating Temperature	32°F to 120°F (0°C to 49°C)	32°F to 120°F (0°C to 49°C)	32°F to 120°F (0°C to 49°C)
Maximum Humidity	85% non-condensing relative humidity	85% non-condensing relative humidity	85% non-condensing relative humidity
<b>Sensor Specifications</b>			
Frequency	433.92 MHz	433.92 MHz	433.92 MHz
Replacement Battery	One Panasonic CR123A Lithium Battery	One Panasonic CR132A	One Panasonic CR123A Lithium Battery
Nominal Battery Life	3 years (assuming 720 trips/day), 7 years (assuming 240 trips/ day)	6 to 8 years	3 years (assuming 720 trips/day), 7 years (assuming 240 trips/ day)
Battery Voltage	3.0 VDC (Nominal), 2.7 VDC (Low)	3.0 VDC (Nominal), 2.2 VDC (Low)	3.0 VDC (Nominal), 2.7 VDC (Low)
Current Draw	21mA (Maximum), 4.7uA (Standby), 30mA (Max in walk test)	30mA (Maximum), 20uA (Quiescent)	1mA (Maximum), 4.7uA (Standby), 30mA (Max in walk test)
Detection Range	Up to 40 Feet (12 m)	N/A	Up to 40 Feet (12 m)
Detectable Speed	1 to 5 feet per second (0.3 to 1.5 meters per second)	N/A	1 to 5 feet per second (0.3 to 1.5 meters per second)
Transmitted Indications	Motion, Tamper (Cover/Wall), Low Battery, Supervision	Cover Tamper, Low Battery, Supervision	Motion, Tamper (Cover/Wall), Low Battery, Supervision
Optimal Mounting Height	8.0 to 12.0 feet (2.4 to 3.6 m)	7.5 to 9.5 feet (2.3 to 3.0 m)	5.0 to 8.0 feet (1.5 to 2.4 m)
Pet Immunity	Small rodents and pest animals	Two 60-pound dogs or One 85-pound dog	N/A
<b>Certification</b>			
Certification Listings	RE659: UL639, ULC-S306-03, ETL, FCC, IC	RE610P: UL639, ULC-S309-03, ETL, FCC, IC RE610P-CE: EN 50131-2-2, EN 60950-1, EN 300 220, EN 301 489, CE Security Grade 1, CE Environmental Class 2, RCM	RE661: UL639, ULC-S306-03, ETL, FCC, IC

Specifications subject to change without notice.