

How To Use Your Autoslide SafetyBeam Sensor Kit

The AutoSlide SafetyBeam Sensor allows you to keep your door open while an object or human is blocking an opening. The SafetyBeam Sensor Kit includes a hardwired receiver, a wireless battery-operated emitter, and necessary cabling and mounting screws. The emitter sends an infrared beam to the hardwired receiver; if an object or person blocks the beam, the receiver triggers the AutoSlide unit to remain open until contact with the emitter beam is reestablished.



Installation

1. Mark positions for the emitter and receiver per the guidelines in the section below.
2. Remove covers for emitter and receiver. To do this for the receiver, grasp the cover lightly and pull the cable away to separate. To do this for the emitter, grasp the cover and use a screwdriver to pry off the emitter body from the hole on the back.
3. Insert x2 AA batteries into the wireless emitter. Ensure the emitter's power switch is set to off.
4. Punch out the three mounting holes for emitter and receiver, and mount to pre-marked positions. Mounting tape can be used temporarily for testing, and is recommended prior to drill mounting.
5. Use the included cabling to connect the receiver to the AutoSlide "Pet Sensor" port. For information on how this port operates with the SafetyBeam, see section to right (Sensor Ports).
6. Turn the wireless emitter's power switch on, then put covers back on emitter and receiver.
7. Test contact with the hardwired receiver by triggering the unit then blocking line of sight with the emitter to keep the door open. View section below for information if issues are experienced.

Specifications

Photocell wavelength	940nm
Opposite emission angle	≤±5° *
Receiver range	12m **
Working temperature (C)	-20° to +60°
Waterproof grade	IP45 ***
Size (mm)	127 x 50 x 35
Weight	193g

* Angle of emitter keeping contact with receiver
 ** Max distance between emitter and receiver
 *** Protected against objects >1mm, water jets

Sensor Ports

If your unit was purchased after February 2020, plug the receiver into the Pet Sensor port. Programming Pet Mode is not required. If your unit was purchased prior, plug into Inside Sensor.

Installation Notes and Troubleshooting

- The emitter must be installed directly opposite the receiver, so that they're aligned and facing each other.
- When connected to "Pet Sensor," the receiver only activates upon the door closing after having already been opened by a *separate* sensor/controller. This applies only to units purchased after February 2020, and when the unit is not in Pet Mode.
- The wireless emitter takes two AA batteries. In cold environments the performance of alkaline batteries may be reduced, so lithium-iron batteries are recommended.
- The SafetyBeam sensors should be installed more than 20cm (8") above ground, to avoid reflection interference and water/mud splashes.
- The distance between the emitter and receiver should be more than 50cm (20").
- The sensors should be installed out of direct sunlight (or similar bright light source). If necessary, install so the emitter (and not the receiver) faces the sun.
- The covers for both the receiver and emitter are identical, except that the inside of the receiver cover has a foil layer over the sensor and the inside of the emitter cover does not.
- Mount SafetyBeam sensors to a stable surface to avoid skewing/vibration, which could affect reliability.
- Performance with the covers off may be different from performance with the covers on. When testing during installation, test with covers on. Keep covers clean regularly with soft damp cloth.

For installations with multiple SafetyBeam sensors (more than one emitter and/or receiver)

- Avoid installing multiple SafetyBeam emitters within the detection range of one SafetyBeam receiver (even if connection with one emitter beam is lost, it may still pick up the other emitter beam and not trigger).
- If installing two pairs of SafetyBeam sensors, be sure to alternate emitters and receivers. or