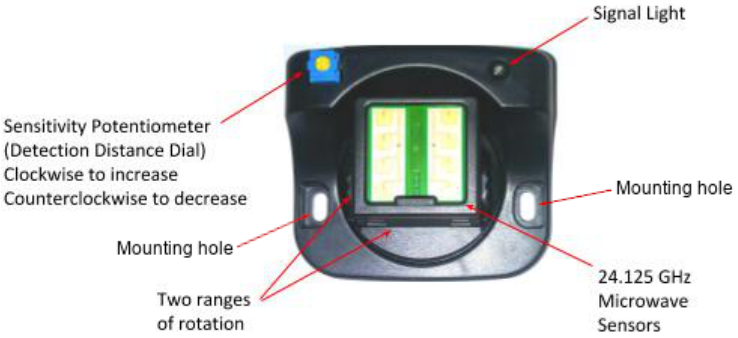
# How to Install your AutoSlide Hardwired Microwave Sensors


## Pre-Installation and Technical Notes:

- Do not install sensor over 3m height, or it may not detect children/pets
- There are two ports on the sensor that can be used to connect it to the unit. One is on the back, if the cable is fed through the wall. The other is on the top side of the sensor, though using this requires cutting a hole in the sensor's cover.
- There are two adjustable ranges of rotation to adjust the sensor's direction; one to look up and down, and the other from side to side.
- Ensure the detection area width is greater than the width of the door. If the door is too wide, set up a number of sensors to cover the entire width.
- Because the Doppler effect only exists while objects move, if static time outlasts the delay time of ~1s (even within the sensor's working region), it will not be detected. Objects made of different materials will have different inducting rates, so different objects will be different in inducting locations.




## Technical Specifications:

| | |
|---|---|
| **Outer Dimensions:** | 64mm x 55mm x 35mm |
| **Launch Power Density:** | 5m W/cm^2 |
| **Launch Frequency:** | 24.125 GHz |
| **Installation Height:** | Below 3.5m |
| **Supply Voltage:** | 12V to 24V, AC/DC |
| ***Angle Adjustment:** | 0° to 90° |
| **Power Consumption:** | 1W (max) |
| **Max Detection Range:** | 4m (width) x 3m (depth) |
| **Temperature Range:** | -20°C to +65°C |
| **Output Relay Maintain Time:** | 1.5s |
| ****IP Protection Rate:** | IP54 |
| *****Accessories/Sensor:** | Cable, screw (2pcs) |

** (There are two rotation ranges, one 0° to 90°, the other -45° to 45°)*
*** (Limited dust ingress (no harmful deposit) & splashing water protection)*
**** (Standard sensor cable for microwave sensor is 8ft long)*

## Installation Instructions and Notes:

1. Your AutoSlide unit should already be installed and programmed. Remove the unit cover.
2. Use a thin screwdriver to pry off the cover of the microwave sensor from the top. Use the included cable to connect the sensor (at either port) to the Inside Sensor, Outside Sensor, or Pet Sensor port on the unit (see notes section).
3. Use a temporary fixing (command strip, tape) and adjust the position and rotation of the sensor and the sensitivity dial to get the right placement for your setup.
4. Use the drill holes in the sensor frame to permanently secure the sensor. Once secured put the sensor cover back on.

- Rotate the blue sensitivity dial clockwise to increase sensitivity and counterclockwise to decrease sensitivity.
- Connecting to Inside Port will enable it in Green, Red, and Pet Mode
- Connecting to Outside Port will enable it in only Green and Pet Mode. Turning on DIP switch #4 in your AutoSlide system will disable it in Pet Mode.
- Connecting to Pet Port will enable it in only Pet Mode. Be sure to program Pet Mode first.

## Troubleshooting:

| Issue | Possible Cause | Solution |
|---|---|---|
| **No action** | Too low voltage<br>Cable connection is bad | Adjust to the appropriate voltage<br>Check cable connection and terminals |
| **Abnormal action** | The dirt cover surface of sensor housing<br>Sudden changes in the detection regional environment | Clean the surface<br>Inspect the environment |
| **Unexpected action (or repeat triggering)** | A moving object is in the detection region<br>A drop of water on the sensor cover/mask<br>Shock of installation plane<br>Overlapping between the detection region and door | Remove the object<br>Remove drop and protect from water source<br>Fix installation place<br>Adjust the sensors angle to be away from the door |