1. If used for Activation, go to section 2. If used for Vehicle protection, go to section 3.

2. If Activation function, find the installation location by referring the following chart. Installation height has to be 500mm(20") from the ground.

   ![Diagram of Installation Height](image)

   **Sensor mode: Vehicle protection**
   Installation Height of 500mm(20in.)

   **Sensor mode: Activation**
   Installation Height of 500mm(20in.)

3. If Vehicle protection function, find the installation location by referring the following chart. Always recommended to install 700mm(28") far from barrier or slide gate. Installation height has to be 500mm(20") from the ground.

   ![Diagram of Installation Height](image)

   **Sensor mode: Vehicle Protection**
   Installation Height of 500mm(20in.)

4. Install the sensor, wire it and apply power.
   - [1] Make holes to mount the sensor.
   - [2] Run a cable thru the post or pole.
   - [3] Loosen the retaining screws on the bottom of the front cover and remove the front cover, detach the sensor unit.

5. Set the Microwave maximum range and Sensor mode as follows:
   - Activation: 5m(16’)
   - Vehicle protection: 3.5m(11.5”) (factory default setting)
   - Usually, other settings can be default settings.
   - For detailed settings, refer to Advance Installation on page 17.

6. Perform sensor calibration in order to memorize the background of the detection area. Ensure no pedestrians or vehicles are present.
   - [1] Press the Calibration button.
   - [3] Step away from sensor and outside detection area.

7. System operation check.
   Check the entire coverage area by using actual vehicle.

8. Put the front cover on the top of the base first, and attach it while spreading it open and pushing down the front cover.

9. Tighten the front cover retaining screw.

10. Mount the base using 4 screws.
    - [6] Attach the sensor body to the base and adjust the sensor angle.

   ![Diagram of Mounting Base](image)

   **Power Supply** 12-24VDC
   - Non-Voltage Relay Output N.O., N.C. Switchable
   - 30VDC 0.3A or less (resistance load)

   **Applicable Wire**
   - Solid wire: 0.4-1.6mm (AWG 26-14)
   - Stranded wire: 0.13-0.25mm (AWG 26-14)