

# Radar Sensor Tech Tips

## **Prepared By:**

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## Overview

This document describes different alternatives for the physical mounting, placement and optional cover material.

## 1- Mounting

### Rear Mount

- The device includes two strips of command strip adhesive which can be utilized for a quick non permanent mounting.
- Alternatively, more permanent double sided foam tape can be used.

### Front Mount

- Use double sided foam tape to attach the front surface to Cover Material (see below for acceptable material types) - (ex. [Industrial Grade foam double sided tape](#)).

**Note:** Power adapter cable is 4.5 feet in length. An electrical outlet must be located within that distance. Power requirements: 3W average, 10W peak.

## 2 - Placement

- The sensor should be placed from 3 to 10 feet from the floor, with best results at 6 feet
- The Field of View is 140 degrees Azimuth and 70 degrees Elevation
- Sensor coverage is up to 15 feet forward, up to 8 feet on sides

**Note:** coverage may vary based on surrounding fixtures

## 3 - Cover Material

The Sensor always performs best when mounted without any covering, but can be mounted behind a variety of material types.

***Materials to avoid are metallic, liquid or highly reflective such as glass. -***

- Paper
- Card Stock
- Cardboard
- Plastic - 1/8"thick
- Plex - 1/4"thick
- Fabric
- Styrene
- Wood - 3/16" plywood

**Note:** Any configuration and mounting should be tested prior to production.