



## TCS Wireless Roadway Sensor WRS

The TCS Wireless Roadway Sensor is a wireless inground magnetic field sensor from TCS International designed for the parking and transportation industry. This is the latest in a new generation of vehicle detection which can integrate with all TCS Parking Guidance Systems.

### Product Highlights:

- Flexible integration with TCS systems
- Low cost deployment with wireless communication
- Custom graphic user interface provides device status and parking information statistics
- Lithium battery pack integrated into the housing
- Typical battery life of 5 years

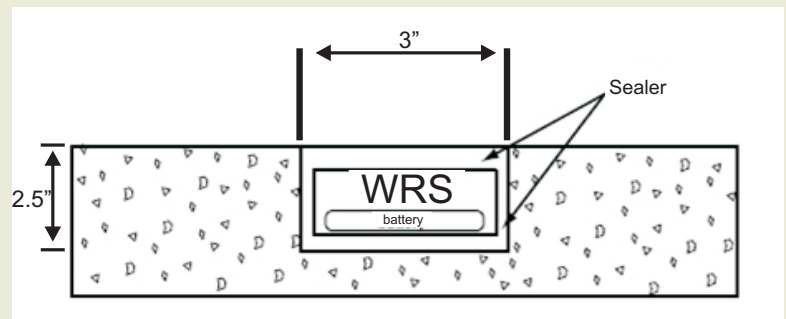
### Some Typical Applications:

- Wireless single space counting for surface lots and on street parking
- Monitoring of available parking spaces displayed on dynamic signage
- Monitoring emergency vehicle parking
- Integration with pay and display systems



### Operation

The WRS is programmed to measure changes in the ambient magnetic field. When a large metallic object (such as a vehicle) alters the Earth's natural magnetic field, the sensor detects changes and reports the change to the Parking Guidance System software.



### Installation

1. Drill a 3" diameter hole to a depth of 2.5". Use a chisel to break any excess. Remove any loose material in the bottom of the hole.
2. Verify all surfaces inside and near the hole are clean (free of debris), warm (consult sealer manufacturer data for temperature threshold data), and thoroughly dry.
3. Repeat steps 1 through 3 for all locations.
4. One hole at a time, pour enough sealer into the hole to fill the hole halfway. Recommend using FJS/MP-55 from Fabick Protective Coatings.
5. Battery side down, place the WRS into the hole and press down until the sealer material flows up and around the WRS and begins to pour onto the top. The top of the WRS should be at least 1/2-inch below the surface, but NO MORE THAN 1 1/2 inches.
6. Immediately fill the spaces surrounding the device with sealer. Completely fill the hole with sealer to avoid leaving a recess that will collect water and dirt.