

Installation instructions for the OverWatch SM1000 Surface Mount Vehicle Detection Loop

This installation guide is intended to provide instruction and support for the successful installation of the OWL Series Surface Mount vehicle detection loops

When choosing the location to install the SM1000, avoid locations that will subject the loop to heavy breaking, acceleration or hard turns. The installation site must be clean, dry and free from any petroleum deposits, or other contaminants that will inhibit the ability of the adhesive to create a firm bond between the parking deck and the SM1000 Loop.

Surface must be clean and dry. Grease and other contaminants should be removed with EternaCleanor a non-residue cleaner.

Step 1 Placement

- Establish the location for the installation of the SM1000 and place the loop in the desired position.
- Note: The lead cover and loop are not required to be perpendicular to the island or curb
- If necessary, you may shorten the protected lead section by cutting the cover to the desired length using a fine toothed hack saw, cutting toward the center from both sides using extreme caution not to damage the lead wires.
- Using a large lead pencil, mark the pavement or concrete surface at the edges of the SM Loop & protected lead.
- Remove the SML from the installed position.

Step 2 Adhesive

- Using 2" wide tape, mask the penciled outline of the loop and lead section.

Note: Depending on how smooth the deck surface is, it may be advisable to abrade the surface with a grinding wheel to give the adhesive a suitable surface for bonding. Using the same grinder, to facilitate an extra measure of adhesion, the underside of the loop and lead cover may be abraded as well. If you rough up the bottom of the loop assembly, AVOID contact with the round loop seal on the bottom of the loop pad

- Apply the adhesive to the center of the tape outlined areas as required. Using a ¼" notched trowel, work from the center outward to and ¼ " over the taped outline, adding additional adhesive as needed.
- Once an even coat of adhesive is achieved, proceed to the loop installation.

Step 3 Installation

- Carefully place the loop and protected lead section onto the adhesive. Once proper location is assured, press firmly into the adhesive and remove the tape around the loop.
- Using a wooden dowel, moisten the tip with Xylene or suitable solvent, and run it all around the edge of the OWL Series loop and protected lead. The edges should be inspected to insure that adhesive has made a continuous bond and water tight seal around the entire edge of the installed loop.
- At this point, excess adhesive on the loop or lead cover may be removed with a damp rag.
- The loop and lead should be uniformly weighted with heavy objects to insure uniform contact with adhesive and deck (i.e. sandbags, boxes etc.) until the adhesive cures.

Note: Because this is a moisture curing adhesive, dry times will vary with the temperature. For the absolute best results the installation should be left to cure for 24 hours. At minimum the installation should left undisturbed for 6 hours.

Tools recommended for installation:

- Broom and/or Air Compressor; Solvents suitable for removing petroleum residue from installation area, Tape measure; Construction size lead pencil, 2" wide Duct or Masking tape; Standard size Calking gun; Hand Trowel (for spreading adhesive) with one straight edge and ¼" notched edge; Wire cutter;; Sand Bags or heavy Boxes for weight Water and rags for smoothing adhesive edge and cleanup