

# SURFACE MOUNT LOOP

Our Surface Mount Loop is designed for quick and easy installation where a short term, REUSABLE Surface Mount inductive loop is required. They are excellent for vehicle detection, counting, gate controls and speed monitoring. The Surface Mount is ideal for installation on post tension concrete where it may not be possible to cut the surface for a conventional loop due to reinforcement or water membrane damage. Thus offering a cost-effective alternative to other methods.

Where an inductive loop is installed for a short period it may be secured with road nails and straps or adhesive strips. The straps or adhesive methods of installation will allow the loop to be removed and REUSED on other applications at a later date. When a more permanent installation is desired, they may be installed with a resin or two-part epoxy.

The loop is manufactured with two materials carefully selected to absorb impact and protect the loop wires. The profile of the loop has been designed with a main body thickness of only 0.375" and leading and trailing edges of only 0.125". This low profile reduces tire noise and impact on steering and vehicle suspension at higher speeds.

The base section is extruded in blended PVC with an upper surface wire sealant of polyurethane. The two compounds were selected for their strength and ability to allow the compatible movement of all the materials involved.

Extrusion Dimensions: Width: 3.125" Thickness 0.375" to 0.125" at the edges

Standard Lead-in: All loops are constructed with 18' of lead-in unless otherwise specified. (Custom lead Length, Gauge & Jacket available)

Loop Wire: 14GA THHN PVC with nylon jacket, Resistant to oils, water, acids, ozone, alkaline, and abrasion.

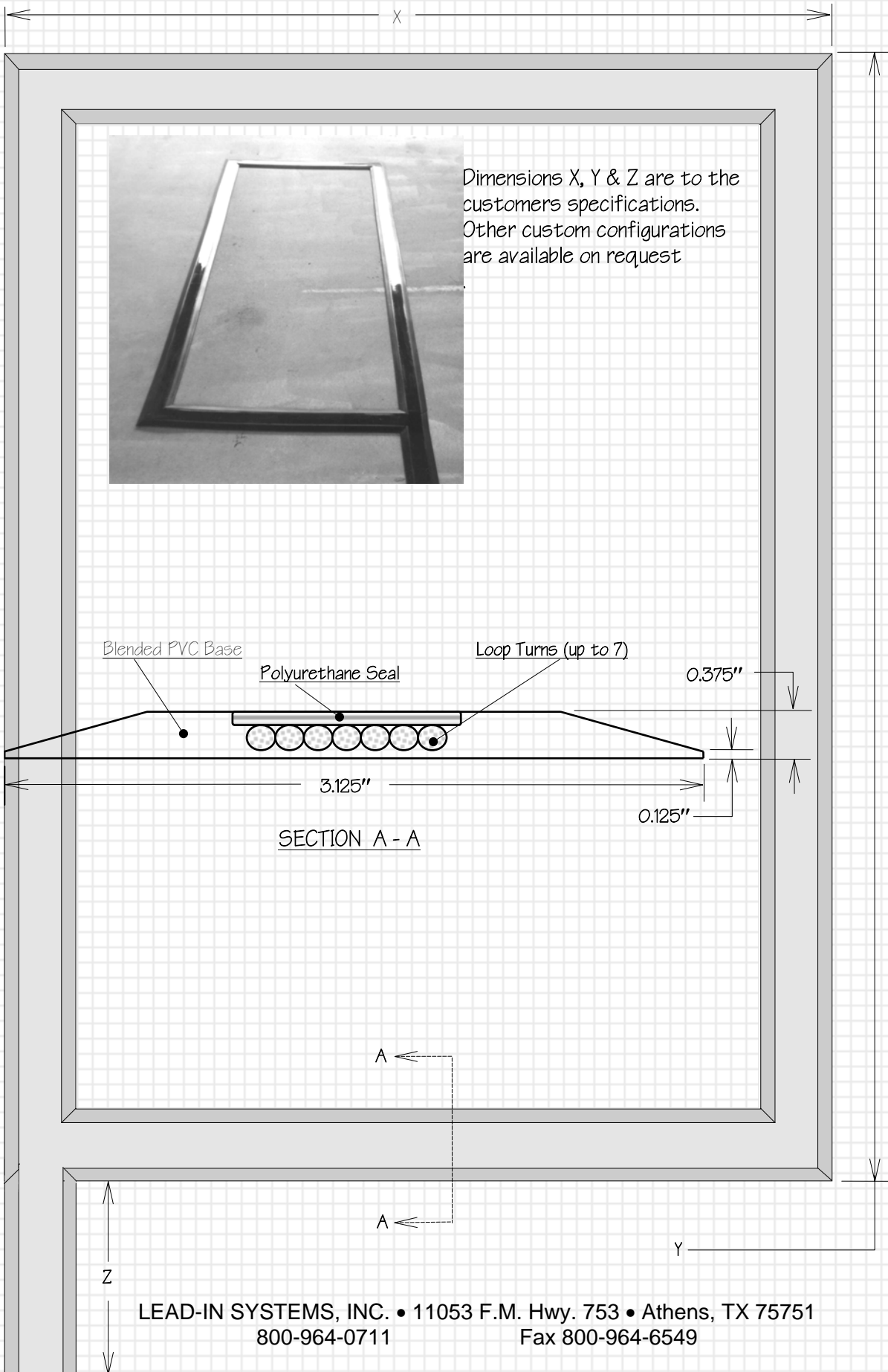
Lead-in Wire: Option #1: 18GA THHN twisted pair with 100% foil shield with 25% overlap. 19 Strand with polyethylene insulation.  
Option #2: 14GA THHN twisted pair with nylon jacket, (Non Spliced)

Rating in  $\mu$ h: Approx. 120 to 150

Operating Temp: -104 Degrees F to +400 Degrees F.

***LIS Inc.***

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