

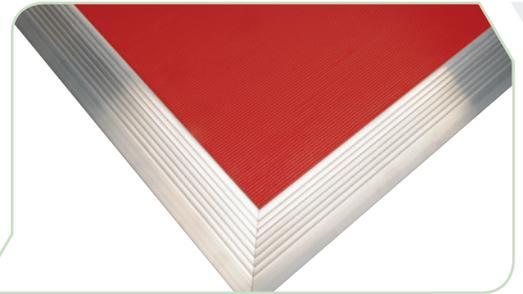
# Installation and Care of Larco Mats



The power of control. Automated.

## 1 Installation

The surface on which the mat will be placed should be level, smooth and free of debris. The area must be swept thoroughly just prior to placement of the mat. Irregularities in the mounting surface greater than 1/8" (3mm) could affect mat performance and should be removed or filled prior to installation.



## 2 Lifting and Carrying the Mat

The proper way to handle the mat is to grasp the long edges and lift, causing a slight bow down the length of the mat, **FIGURE 1**. This method prevents the mat from bending across its width, which could cause a kink or bend in the internal electrode assembly. Place the mat cord on top of the mat before transporting to avoid a trip hazard or cord damage.

If a mat is larger than 24" x 36" (610mm x 914mm), additional help is recommended to lift, carry and position the mat. Dropping a mat on its corner can damage the mat and its internal electrode beyond repair.

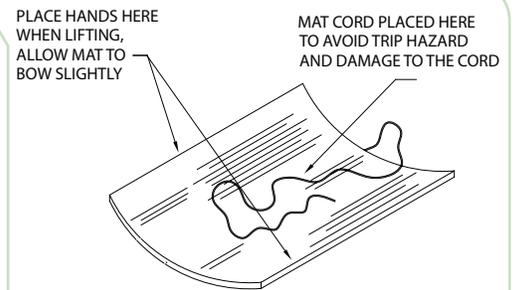


FIGURE 1

## 3 Proper Care of the Mat Cord

After the mat is in place, use care in routing the mat cord to prevent damage to the insulation or the internal wires. Make sure cord passage ways are free of burrs and sharp edges. If the mat cord exits under trim, groove or notch the trim or mounting surface to prevent pinching the cord when tightening trim, **FIGURE 2**.

Never make a cord splice at floor level where the presence of moisture is a possibility. Moisture may migrate through the cord and into the mat when watertight connections are not maintained.

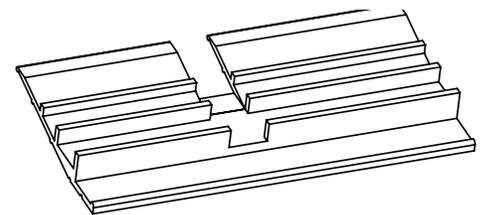


FIGURE 2

## 4 Lock Lip Removal

Door mats that are to be placed side by side need to have the lock lip removed. Using a sharp razor knife and straight edge, carefully remove the lock lip only on the mat edges that will be joined together, **FIGURE 3**.

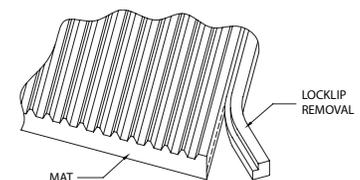


FIGURE 3

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## 5 Mounting the Mat

Place the mat in position. If a threshold is used, install it before the perimeter trim. Use the threshold as a drilling template. Using a 9/32" masonry drill bit, drill the necessary holes. Be sure to clean out the drilled holes before inserting the threshold anchors provided. Fasten the threshold to the mounting surface using the #12 x 1-1/2" screws and anchors provided with all the Larco threshold kits. Threshold screws and anchors should be spaced at 12" intervals for regular foot traffic. When the mat and threshold are exposed to heavy traffic, the screws and anchors should be spaced at 6" intervals.

**NOTE: Electrically test the mats before fastening them into position. See the instruction guide specific to the particular application for instructions on how to conduct electrical tests.**

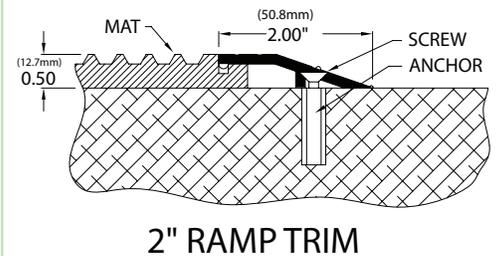


FIGURE 4



For additional detailed Safety Mat instructions, download

“Safety Mat Systems - Installation, Use and Maintenance Guide” at

[larco.com/downloads/larcosafetymats.pdf](http://larco.com/downloads/larcosafetymats.pdf) or on our website under **Support/Documentation**

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- Visible loss or damage means any external evidence of loss or damage must be noted on the freight bill or delivery receipt and signed by the carrier's agent. Failure to accurately describe external damage or loss may result in the carrier refusing to honor the damage claim. Claim forms will be supplied by the carrier.

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WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



**CAUTION**

Presence sensing mats are NOT intended for use in machine safety critical applications unless connected to a safety rated control.

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