Technical Support **800-628-1909 (toll-free)** **helpdesk@rytecdoors.com**

Summary	Installation Details for Never-fail loops				
Products Affected	All Rytec doors with a loop card				
Key Word Tags	Never-Fail, Loop, Loop Card				
Tools/Equipment (If Required)					
Parts/Materials (If Required)	NEVERFAIL LOOP R0012178				
Related Media					
Author	Mike Burzlaff	**Issue Date**	7/24/15	**Status**	Active

Please Read The Entire Bulletin Before Proceeding

INSTALLATION INSTRUCTIONS

All Loops

Step 1 Remove loop(s) from container and unfold 24 hours before installation. Verify dimensions and test*. It is permissible for loop joints to come into contact with installation equipment but advisable to avoid direct contact whenever possible. * Loop Inductance & Detection Height Formula:
Loop Inductance = (Turns^2 + Turns) x (2 x Side A +2 x Side B)/4
Total Inductance= Loop Inductance + (LeadIn x 0.22)
Detection Height= Approximately ⅔ x Length of the Shortest side
Continue to Step 11

Model A (Asphalt Overlay)

Step 2 Lay the loop out on surface to be overlaid with asphalt.
Step 3 Secure loop to subbase with hold-downs, asphalt tape, or shovel asphalt over the loop to eliminate any movement created by the installation process. Plastic tent stakes may also be used to secure.
Step 4 Slide sleeve over the expansion/contraction joint and tape ends of sleeve directly to conduit.
Continue to Step 11

Model C (Concrete Overlay)

Step 2 Lay out loop on surface or rebar.
Step 3 Slide sleeves over the expansion/contraction joints.
Step 4 Secure the loop(s) directly on top of the reinforcing steel with ty raps. Secure leadin underneath the reinforcing steel with ty raps. *In case of existing concrete/asphalt subbase, secure loop to subbase with asphalt tape or similar product.
Continue to Step 11

Model F38 (Asphalt Overlay)

Step 2 At the installation site, secure loop to the base at regular intervals and at the corners with asphalt tape, duct tape or small amounts of hot asphalt. Secure the leadin in similar fashion.
Step 3 Make sure during installation of asphalt that installation equipment does not uplift the loop. Loops may be safely run over by equipment and pour hot asphalt behind them.
Step 4 Check loop for continuity and resistance to ground.
Continue to Step 11
To prevent possible cracking or warping of newly installed asphalt, a minimum cover of 1.5 inches is strongly recommended.

Model F38 (Cutin)

Step 2 Clean area in which loop is to be placed.
Step 3 Lay out loop in desired pattern/configuration. NOTE: Laying the loop out symmetrically and evenly is usually best.
Step 4 Using the loop for a template, mark out line for slot cut.
Step 5 Cut leadin slot first. Cut two sides perpendicular to leadin slot next. Traveling 4" – 6" beyond cut actually needed.
Step 6 Cut slots at approximately 1.5" inches (38mm) in depth. *Blade size: 1/2"
Step 7 Prior to cutting the final slot (side), lay out loop in slot and mark out with spray paint (or other product) as precise as possible.
Step 8 Remove loop and cut final slot. Corners may have to be chiseled out some to accommodate loop.
Step 9 VERY IMPORTANT!!!!! Clean any debris out of slot with air hose or water. Once clean, remove any water or excess moisture.
Step 10 Place loop in slot and fill with sealant.
Continue to Step 11

All Loops

Step 11 Connect loop wires to the appropriate inputs in the controller.

A.) System 4 Connect loop channel 1 to the top 2 blue terminals and channel 2 to the bottom 2 blue terminals.
B.) System 3 Connect loop channel 1 to terminals IL1-IL2 and channel 2 to terminals IL3-IL4.

If you have any questions please contact Rytec Customer Support at 1-800-628-1909.