


New!

RSI Outdoors Installation Instructions

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Defroster Data	Part Number: 1204-3450-L-RSI		
Drawing			
Description	Clear View Defrosters clear mist, snow and ice even in the most challenging winter conditions. These defrosters feature proven heating performance, a professional factory look and are available in hundreds of sizes including 12 and 24 volt systems.		
Overall Height	5 in (12.3 cm)	Modulation*	25%
Element Height	3 3/4 in (9.5 cm)	Timer Standard*	10 Minutes
Elements	4 (1 roll x 4 line x 56 in)	Alt. Times (min)*	10, 20, 40, 80, 160, Manual
Tab Location	Left	* Requires ThermaSync 2812/2824 control. See label on control for setting.	
Fuse	15 Amp		
Voltage	12 V		
Length	Min. 34 in (86 cm)	Max. 50 in (127 cm)	
Currents (Amp)			
Peak	20.4 A	13.8 A	
RMS	10.2	6.9	
Avg	5.1	3.4	
Stick Kit	Not Available		
Document	07/18/2025		



PLEASE READ THIS PAGE

Clear Horizon Defrosters are high performance devices and rely on accurate installation to reliably melt snow and ice.

Clear Horizon Defrosters must be installed EXACTLY as shown in the instructions.

Failure to follow the instructions will cause the defroster control to fail and **voids any and all warranty and repair policies.**



Read the instructions carefully before beginning the installation

Of special importance when installing Clear Horizon Defrosters:

Select a defroster that fits the window

Respect the minimum and maximum allowed widths for the defroster.

All heating elements delivered with the kit **MUST** be used

Adding or removing heating elements will cause the defroster to fail.

Follow the defrosters buss bar layout exactly

The elements per buss bar and tab locations cannot be changed.

Make sure the window is **CLEAN** and **DRY** before installing

Apply the defroster grid at temperatures above 60° F (16° C)

This helps the bonding tape to cure properly.

Review Instructions

Do not rush into the installation. Review instructions before starting installation.

This attachment shows the defroster layout.

Do not change this layout when installing.

RSI Outdoors

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Parts List

Part Number: 1204-3450-L-RSI

Item	Image	Description	Qty	Item	Image	Description	Qty
011		Defroster element rolls	-	021		Double stick bonding strips 5 in (12.7 cm)	2
012		ThermaSync Defrost Control	1	022		Brass buss bars, w/ tab 2 3/16 in (5.55 cm)	2
013		Activation switch	1	022		Brass buss bars, no tab 4 1/2 (11.43 cm)	1
				024		Plastic cover, w/tab slot 2 3/8 in (6.03 cm)	2
015		Fuse tap for ATO fuse	1	025		Plastic cover, no tab slot 4 7/8 in (12.38 cm)	1
016		"T" Tap for connecting power	1	026	?	2750 Coil Cord	2
017		Female faston connector	1	027	-	-	-
018		Spade terminal	1				
019		ATO fuse	1	029		Instructions and Attachment	1/1
020		Mounting screws	4	030	-	-	-

Wire Harness

Please see the electrical and wiring section of the Clear View II full instructions. Not included with Stick Defrosters

Right or Left Tabs?

Clear Horizon defrosters can be reversed (rotated) as needed for installation.



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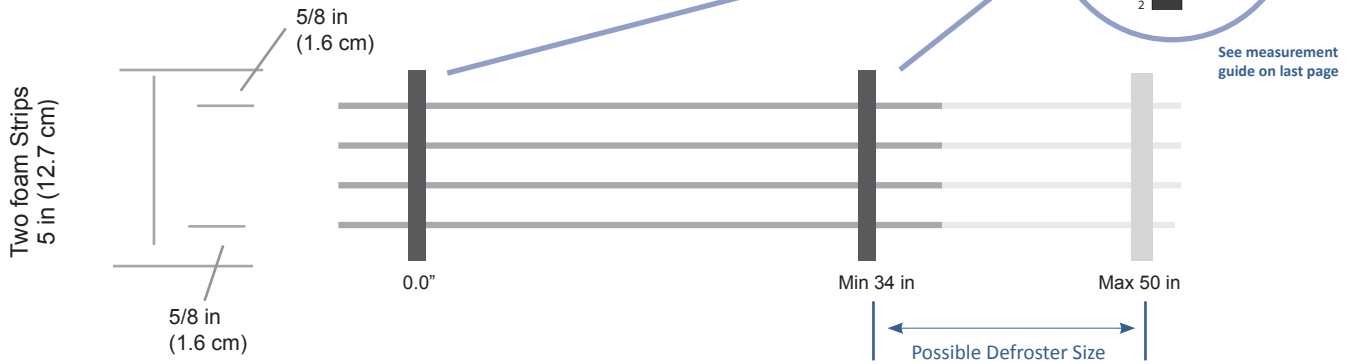
Tel: 717-927-1555

Email: mail@rsioutdoors.com

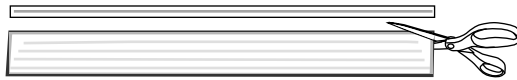
Web: rsioutdoor.com

Foam Bonding Strip Layout

Please read full instructions before starting work



Installation on curved glass



Heating elements can be trimmed into individual lines for placement on tightly curved front windows. The spacing of the elements are 1 1/4 inches apart and this should be maintained.

The number of elements on each bus bar **MUST** be maintained as per the drawing on page five. This may require trimming the buss bars and cover.

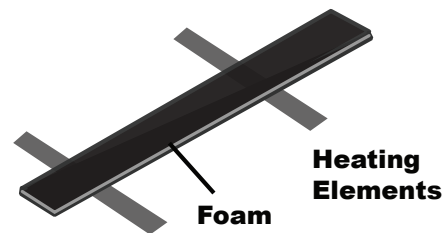
Order of application

1. Defroster heating elements go down on the window first.
2. Double stick foam bonding strips are applied **OVER** the defroster elements.
3. Buss bars are bonded in place on the bonding strips.
4. Heating elements are brought over the buss bars with good metal-to-metal contact.
5. Plastic cover is put over elements.

Please read the instructions prior to starting work on the defroster.

EXAMPLE ONLY

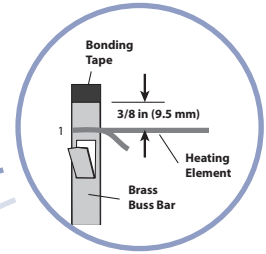
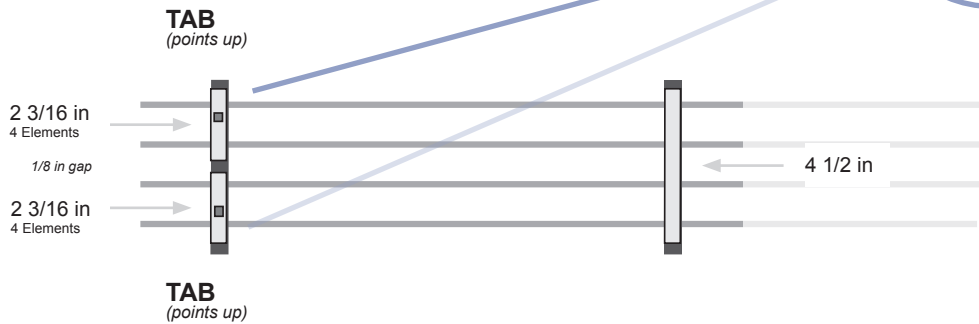
See layout above and Clear View General instructions



Foam goes on top of defroster elements

Buss Bar Layout

Please read full instructions before starting work



The layout, number of elements per buss bar and the 1/8 in (32 mm) gap between are CRITICAL.

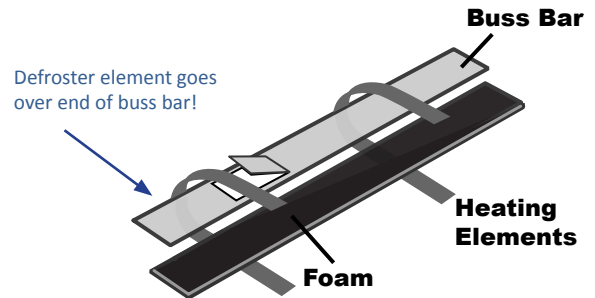
Cautions

The layout shown above is critical to the function of the defroster. All heating elements MUST be used in the assembly and connected as shown to the side buss bars. Failure to use all the heating elements or change the layout on the side buss bars WILL CAUSE THE DEFROSTER TO FAIL.

See the Clear View Website for additional defroster sizes and ThermaSync defroster controls in 12 and 24 volt.

EXAMPLE ONLY

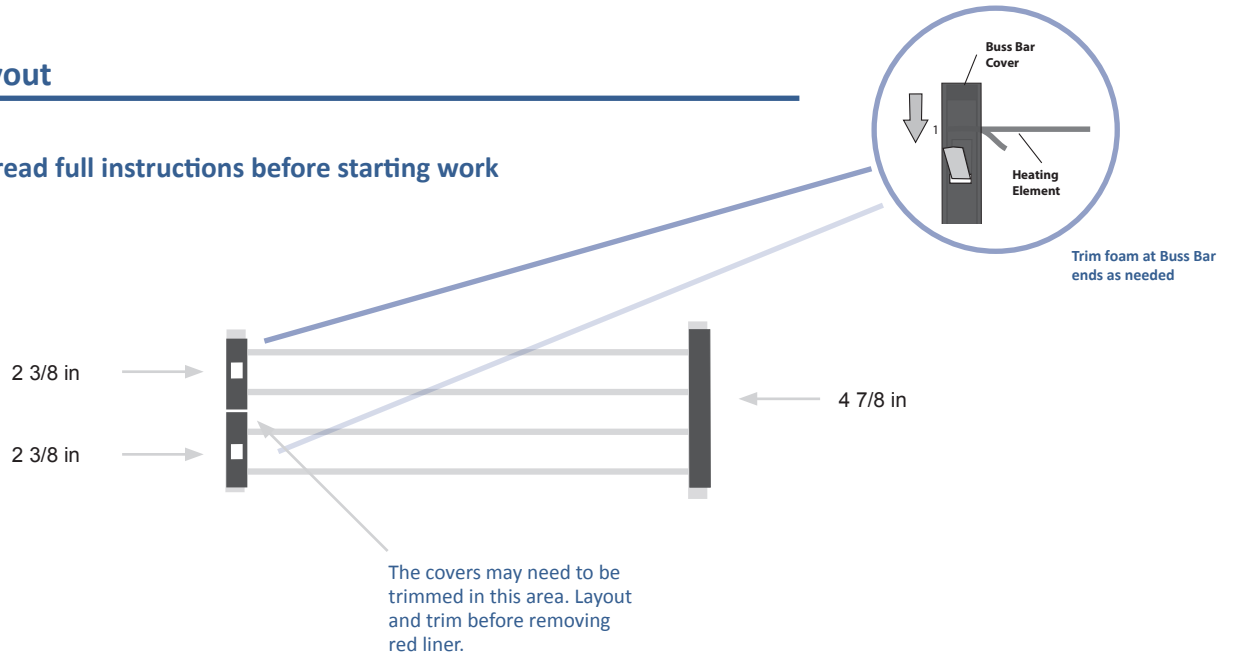
See layout above and Clear View General instructions



Defroster side buss bars go on top of foam as shown above.

Cover Layout

Please read full instructions before starting work

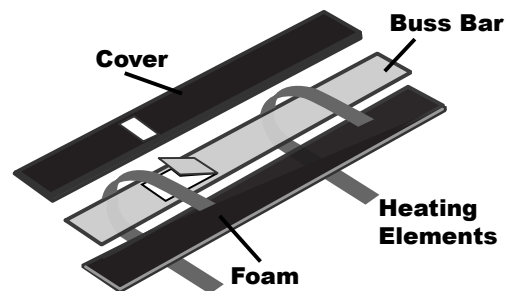


Apply the cover only after the elements have been connected over the buss bar. Press cover down firmly to seat adhesive.

Buss Bar Covers

The buss bar cover bonds the heating elements to the buss bar.

Trimming covers to length may be needed for a perfect fit. It is important to align the covers with the buss bars and apply considerable pressure along the cover once installed to seat it on the buss bar.



Defroster cover goes over brass buss bar AFTER elements are attached.