

Installation Instructions

Remote Start / Stop Module 31039

The Remote Start / Stop Module 31039 provides the user with the ability to start and stop a snow melting system. As well, the 31039 gives the user the ability to adjust the running time of their snow melting system. An indicator light on the face of the 31039 provides a visual indication as to the current operation of the snow melting system. The 31039 is designed to work with the 31667 HeatLink® Snow Ice Detector and Melt Control.

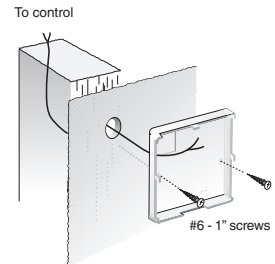
Installation

Step 1: Removing the Front Cover

Place a screwdriver or similar object into the small slot located in the top of the 31039. Push the screwdriver against the plastic tab and pull the top of the front cover so that it pivots around the bottom edge of the 31039.

Step 2: Mounting the 31039

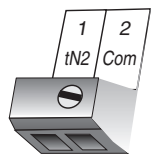
The base of the 31039 should be securely installed in the desired location. Mount the 31039 directly to the desired location using two #6 - 1" screws. The screws are inserted through the mounting holes and must be securely fastened to the desired location. If possible, at least one of the screws should enter a wall stud or similar surface.



Step 3: Wiring the 31039

Run 18 AWG twisted pair or similar wire between the 31039 and the control. Insert the wires through the hole provided in the back of the 31039 enclosure and connect them to the Com and tN2 terminals. Do not run the wires parallel to telephone or power lines as this may interfere with the operation of the 31039. If the 31039 wires are located in an area with strong sources of electromagnetic noise, shielded cable should be used or the wires can be run in a grounded metal conduit.

NOTE: Do not apply power to the 31039. The 31039 is to be wired directly to the control. The connection between the control and the 31039 is polarity sensitive. The Com terminal of the 31039 must be connected to the appropriate terminal of the control. If the wires are reversed, the 31039 will not function and the control will display a short circuit error for the tN2 device.



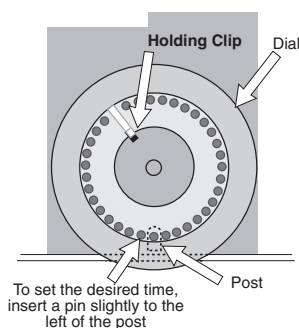
Step 4: Installing the Front Cover

Align the hinges on the bottom of the front cover with the bottom of the 31039 mounting base. Pivot the front cover around the bottom hinges and push the top against the mounting base until it snaps firmly in place.

Settings

The 31039 can be used to set the desired running time of the snow melting system. Turn the 31039's dial until the desired running time is displayed in the window.

Note: If an infinite (NO LIMIT) run time is selected, the snow melting system runs continuously until WWSD or CWCO occurs, or someone presses the start / stop button on the 31039.



Limiting the Time Range

The time range on the 31039 can be limited in order to avoid extreme time settings or any tampering with the setting.

- Turn the dial until the desired time is at the bottom of the 31039.
- Remove the front cover by following Step One of the Installation procedure.
- Lift and pull the scale off the dial. Be careful not to turn the dial while removing the scale. With the scale off, a series of small holes will be visible around the dial. Behind the dial there is a post which can be used to limit the rotation of the dial. Two aluminum limit pins are provided in the dial.

Setting a Minimum Time Limit

Remove one of the limit pins and re-insert it into the hole that is slightly to the left of the post at the bottom of the dial. With the pin in place the dial should only rotate clockwise from its current position as the counter-clockwise rotation is now restricted by the pin.

Setting a Maximum Time Limit

Insert one of the pins into the hole that is slightly to the right of the post.

Setting a Fixed Time

Insert one of the pins into the hole in the bottom of the dial such that the pin enters the post behind the dial. With the pin in place the dial should be fixed in position.

Replace the scale by sliding it onto the dial until the rectangular hole slips into the holding clip.

Replace the front cover by following Step Four of the Installation procedure.

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Operation

Starting the Snow Melting System

To start the snow melting system, press and release the button on the face of the 31039.

Indicator Light

An indicator light is located on the face of the 31039 to provide a visual indication of the current operating status of the snow melting system.

Flashing Green Indicator

Solid Green Indicator

Solid Red Indicator

Flashing Red Indicator

- indicates that the snow melting system is currently coming up to its desired snow melting temperature.
- indicates that the snow melting system is currently operating at its desired snow melting temperature.
- When the 31039 button is pushed to stop snow melting operation, a solid red light is displayed on the face of the 31039 for five seconds. If the snow melting system is stopped while there is still an external demand for snow melting, the 31039 displays a solid red indicator light until the external demand is removed. Refer to the Data Brochure of the snow melting control for a description of an external demand.
- If the indicator on the face of the 31039 is a flashing red light, this indicates that the snow melting control is currently displaying an error message. Refer to the snow melting control and the control's Data Brochure to determine the error. Locate and repair the problem as described in the Data Brochure for the snow melting control.

Stopping the Snow Melting System

To stop the snow melting system when it is running, press and release the button on the face of the 31039.

Remote Start / Stop 31039 Technical Data

Literature	L631039
Packaged weight	0.22 lb. (100g), Enclosure G, white PVC plastic
Dimensions	2-7/8" H x 2-7/8" W x 13/16" D (73 x 73 x 21 mm)
Approvals	CSA NRTL/C, meets DOC & FCC regulations for EMI/RFI
Ambient conditions	Indoor use only, 32 to 122°F (0 to 50°C), 90% RH non-condensing
Power supply	tN2



Limited Warranty and Product Return Procedure

HeatLink® warrants to the original purchaser each HeatLink® product against defects in workmanship and materials when the product is installed and used in compliance with HeatLink's instructions. This limited warranty covers the cost of parts and labor provided by HeatLink® to correct defects in the materials and/or workmanship. Returned products that are fully operational are not considered warranty cases. HeatLink® also does not cover parts and labor to remove, transport or reinstall a defective product. HeatLink® will not be liable for any damage other than repair or replacement of the defective part or parts and such repairs or replacement shall be deemed to be the sole remedy from HeatLink®. This warranty shall not apply to any defects caused or repairs required as a result of unreasonable or negligent use, neglect, accident, improper installation, or unauthorized repair or alterations. In case of defect, malfunction or failure to conform to warranty, HeatLink® will for a warranty period of 18 months from the date of invoice to the original purchaser or 12 months from the date of installation of the product, whichever occurs first, repair, exchange or give credit for the defective product. Any express or implied warranty which the purchaser may have, including merchantability and fitness for a particular purpose, shall not extend beyond 18 months from date of invoice or 12 months from the date of installation of the product, whichever occurs first.

Replacements: HeatLink® can send replacement product if requested. All replacements are invoiced. Any possible credit for the replacement will only be issued once the replaced product has been returned to HeatLink®.

Product Return Procedure: Product that are believed to have failed must be returned to HeatLink®. When agreed to by HeatLink®, The installer or other qualified service person must, at the owners expense, determine which component has failed. The product must be returned complete with all of its components (sensors, base, etc.) Products must be returned together with the proof of purchase to the original purchaser who then returns the product to HeatLink® After receiving a returned goods authorization (RGA) number from HeatLink®.

Please include the following information with the product: The full address of the original purchaser, the RGA number and description of the problem.

For returns in Canada and the U.S.A., please have product returned to HeatLink Group Inc., 4603E 13th Street N.E., Calgary, Alberta, Canada, T2E 6M3, Ph. 1-800-661-5332.

For returns in Ireland, please have product returned to HeatLink® Ireland, Cappincur, Tullamore, Co. Offaly, Ph. (0506) 4062.

- If returned during the warranty period and the product is defective, HeatLink® will issue full credit for the returned product less cost of missing parts.
- If returned during the warranty period and the product is fully operational, HeatLink® will return the product to the original purchaser for a testing cost of \$40.00 plus shipping.
- If returned during the warranty period and the product is not damaged and is fully operational, HeatLink® can take back the product for a return charge of 50% of the product's net value. This request has to be specified otherwise the product will be returned with a testing cost of \$40.00 plus shipping.
- If returned after the warranty period and the product needs repair, HeatLink® will repair and return the product. Repair and shipping costs will be invoiced. HeatLink's repair costs are calculated at \$40.00 / hour plus the cost of parts. If the repair costs will be more than \$60.00 a repair estimate will be sent to the original purchaser.

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