

Professional installation



See our videos on our homepage under **Service/Downloads** for installation of T-STRIPE: <https://www.t-stripe.com/pages/service/downloads/>



You need the following parts for the professional installation:

- **Heating element** of a suitable length so you only need to shorten it to fit the exact window circumference upon installation on-site.
- **Special cleaning agent** to clean the heating element and the window pane prior to installation.
- **Double-sided adhesive tape** to attach the heating element to the window pane. When attaching the adhesive tape, please observe the notes in the respective instructions.
- **Connector set** (image 11) to connect the heating element to the power cable.
- **Power cable** to connect T-STRIPE to the power grid.

Determine the suitable length for T-STRIPE by measuring the circumference of the window (2 x height plus 2 x width) and add 10cm. For a window with the measurements 140 x 70cm you will need a 4.3m-long T-STRIPE. Order T-STRIPE that is 3.60-4.40m long, it can be shortened to 4.3m upon installation. The remaining part must not be used, please discard it.

You can add the following components:

- **Thermostat**, the thermostat measures the temperature directly on the window pane and switches the window heating system on at the exact moment when condensation would appear. As a result, your energy costs will be lower and you don't need to switch the window heating system on and off manually.
- **Timer**, set the timer so that T-STRIPE will only heat at night.
- **Plug and socket** to be able to unplug the power cable from T-STRIPE (e.g. sliding windows).
- **Design aluminium bar** for elegant installation of the heating element. You can use our suitable anodised, anthracite or white aluminium bars.
- **Mini cable duct** to run the cable from the window to the closest power source in a concealed way.

READ THE ENTIRE INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION!

Important: For installation, the window pane's temperature must be at least 20°C (this temperature is required for handling the adhesive tape)! You must therefore heat the entire window pane by means of a radiant heater. According to the ÖVE (Austrian Electrotechnical Association) the electric connection must be carried out by a licensed electrician.

You need the following tools for the installation:

- Stripping tongs
 - Wire-end sleeve pliers
 - Crimping tool
 - Small screwdriver
 - Cleaning cloth
 - Hot-air fan
 - possibly radiant heater (in case the window pane is too cold)
1. Undo the braided protection at one end of the heating element at a length of 30mm and twist it. (Image 1) Attention: The red insulation must not be damaged!
 2. Strip the red insulation carefully from the cable at a length of 6mm. Use stripping tongs to avoid damaging the heating wire at the centre. (Image 2)
 3. Push a wire-end sleeve over the heating wire and press it with the wire-end sleeve pliers (image 3) If you wish, you can use scissors to remove the glass fibres.
 4. Push the heating wire with the previously pressed-on wire-end sleeve into the joint connector and press it on by means of the crimping tool to create a firm connection. (Image 4)
 5. You must also press the outer braided protection on by means of a joint connector. (Image 5)



Image 1



Image 2



Image 3

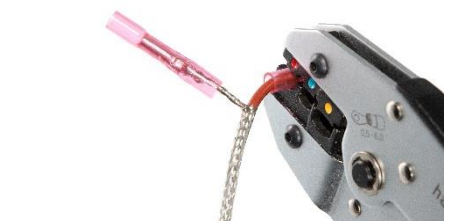


Image 4

6. Determine the perfect point on the window frame for installing the connection set (or plug/socket). On windows that can be opened, this point is usually close to the lower swivel joint.
7. Please use the special cleaning agent to clean the outer rim of the window and the T-STRIPE heating element. When cleaning the window pane, ensure that the cleaning agent does not touch the window's rubber profile. Please do not touch the window pane after cleaning so that the adhesive tape can adhere to it.
8. Use detachable adhesive tape to fasten the two joint connectors provisionally to the selected point. The attached heating element must point towards the window pane.
9. Attach the adhesive tape on the outer rim of the visible window pane (directly onto the glass!).
10. Starting at the joint connector, attach T-STRIPE by pressing the heating element onto the adhesive tape. (Image 6)
11. At the corners, bend T-STRIPE at a radius of at least 5mm. (Image 7)
12. When you have attached T-STRIPE around the window, shorten the heating element to the required length so the loose end fits into the joint connector. Please note T-STRIPE's installation length which is indicated on the packaging. You must ensure that the heating element is not cut off shorter than at the indicated length.
13. Repeat points 1 to 3 for the other end of the heating element.
14. Cut off the twisted braided protection. (Image 8)
15. Push the heating wire into the third joint connector and press it on.
16. Now you can connect the power supply and grounding and press them on (image 9): The grounding (green/yellow) is connected with the braided protection, the phase conductor/ wire (brown or black) with the heating wire and the neutral conductor/neutral wire (blue) with the other end of the heating wire.
17. Finally, you must shrink the joint connectors by means of a hot-air fan. This results in a fixed, insulated connection.
18. Attach the transparent and the white shrinking tube to the connection and shrink first the transparent shrinking tube and then the white shrinking tube so that it covers the transparent one. (Image 10).
19. You can immediately use T-STRIPE

Please note that the connected heating cables must be secured with a residual current device (RCDs) with a rated frequency $\leq 30\text{mA}$ (this corresponds to the usual RCD in a private household).

Enjoy your condensation-free windows!

For all installation instructions see www.t-stripe.com menu point "Service" under "Downloads".



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Image 5



Image 6



Image 7



Image 8



Image 9



Image 10



Image 11



Download info, videos and installation instructions.