



**SPECIFICATIONS:**

<p>Specific:</p> <ul style="list-style-type: none"> <li>- Measured parameter: Temperature</li> <li>- Sensing technology: Thermistor</li> <li>- Range: -55 to 125 °C</li> <li>- Output format: Continuous</li> </ul>	<p>General:</p> <ul style="list-style-type: none"> <li>- Size: 4.5 mm-radiused circle</li> <li>- Weight: 1 g</li> <li>- Wiring: 6.35 mm TRS jack, 2 m-long cable</li> <li>- Power: Built-in phantom 5V DC</li> </ul>
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**INSTALLATION GUIDE:**

Please use the following procedure to assign a **Control Change** of the **modulation** to this sensor:

- 1° We assume here that your Eobody setup is fully functional and its editor launched and ready to communicate: in case of emergency, please refer to the main tutorial!
- 2° Plug the jack connector of the sensor to the chosen input of the Eobody.
- 3° On the first (or second) eight inputs configuration pannel of the editor, appearing on screen when you click on the "1-8" (or "9-16") button from the main window, depending on the input you want to configure, make sure that the status of the input this sensor is plugged to is turned on.
- 4° From left to right on the same line, set the bit depth to 7 Bits (sufficient enough for this case), the **zoom to max** and the **offset to its highest value** (as the sensor signal needs more gain), the **type to CC** (meaning "Control Change"), the MIDI channel to the one the Eobody is using, the gate to 8 (minimal hiss proof) and the sub sampling ("S Samp") to 127 (if the signal doesn't need to be refreshed frequently).
- 5° Let us control the modulation: assign **"Val 1" to 1** and leave the remaining parameters, here insignificant, as are.
- 6° Dump these settings to the Eobody by clicking on the "Dump" button on the main window.

You will normally have a lookalike window to the following one:

status	bit depth	zoom	offset	type	channel	gate	S Samp	Val 1	Prm 1	Prm 2
on	7 Bits	max	895	CC...	Ch 1	8	127	1	60	20

To ensure the sensor is actually working, reduce the sub sampling to 0 and heat up the ring with a lighter for circa 30 seconds.

**APPLICATION NOTES:**

Ideas for custom use:

- The mounting ring is usefull to screw this sensor to most surfaces, provided a hole with an inner diameter of 3.7 mm is drilled.

Featured on stage:

- If you plan a large indoor or outdoor installation that will survive the seasons, the weather could take part of the show, being monitored by such a temperature sensor.

Sensor datasheet	<a href="http://www.eowave.com">http://www.eowave.com</a>   <a href="mailto:info@eowave.com">info@eowave.com</a>	15 € (ex. VAT)
© eowave 2004   v 1.0	Ph.: +33/1 45 15 41 95   Fax: +33/1 45 15 07 24	10/29/04