

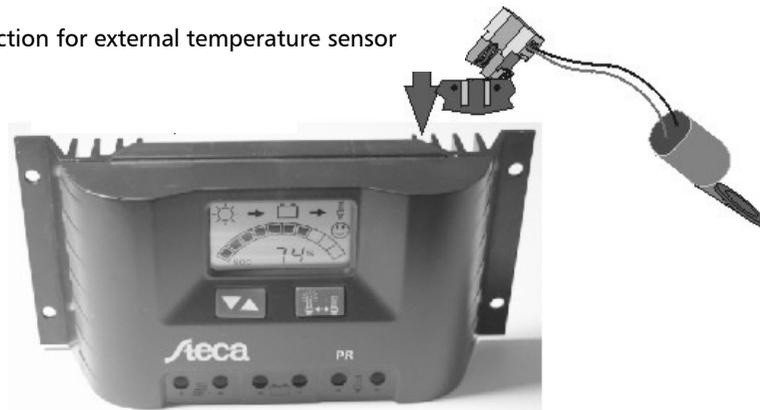
Connecting an external temperature sensor:

In order to fully charge a lead battery, the end-of-charge voltage must be adjusted in accordance with the temperature. Normally, the internal sensor of the charge regulator is used for the temperature compensation. An external temperature sensor is only necessary if the battery and regulator are situated in different temperature zones with a temperature difference $>4^{\circ}$. The external sensor can record the actual temperature of the battery. The temperature compensation is used to adjust the end-of-charge voltage using the factor 4mV/K/Cell .

If the connection of the sensor to the regulator is interrupted, the regulator will automatically use its own internal sensor. If the cable short circuits, the regulator displays the fault E04. The sensor are wrong polarity protected.

Please only use the temperature sensor provided by Steca for this model (712.062, type: TS10, cable length 3m). Using an incorrect sensor could damage the device and/or the battery!

2-pin connection for external temperature sensor

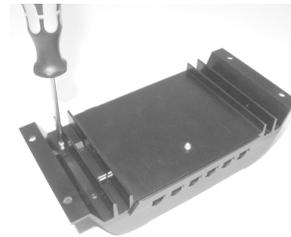


The optionally available sensor is plugged directly to the board with a two-pin edge connector. The connection for the temperature sensor is located on the top of the device on the right hand side.

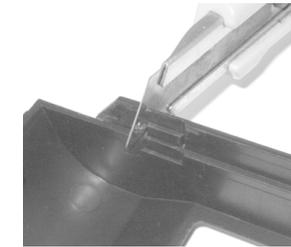
A tongue is provided at this point, which can be cut out with a knife.

To connect the sensor, proceed as follows:

1.) Disassemble the regulator casing by removing the two screws to the rear of the regulator with a Torx TX7 or a small flathead screwdriver.



2.) With a knife, carefully cut the rear side of the casing along the small grooved outline for the external sensor and bend the resulting tongue outwards.



3.) Reassemble the casing and tighten up the two casing screws on the rear side of the regulator.



4.) Insert the sensor connector in the opening made in the casing so that the sensor cable can be run along the rear side of the regulator to the battery.



5.) The sensor should be laid so that it is as close as possible to the battery. It should be possible, for example, to screw the eyelet of the sensor directly to one of the two pole terminals. If necessary you can elongate the cable by yourself with a similar cable up to max. 5m.

