




# Constant-Current-Source Typ CCS5

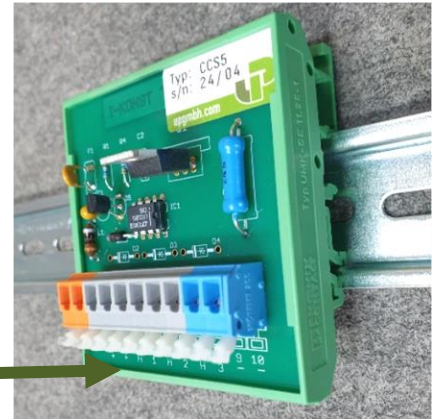


This **Constant-Current-Source type CCS5** is used to power heater of up to three Sapflow Sensors of type Granier Principle.

The board is coated and prepared with DIN Rail Adapter.  
It should be installed inside a weatherproof housing together with your datalogger.

### Connections:

- 12Vdc external power on orange (+) or blue (-) terminal. Power terminals are double for easy wiring external power on more then one unit in the same box.
- Heater wires of your sapflow sensors are connected on grey terminals marked with H 1, H 2, H 3. 



All three sapflow sensor heater are connected in electric serial line. If you have less than 3 sensors you **MUST** bridge the non-used heater connection with a simple wire bridge.

Hint: Cable length between CCS5 and Sapflow Sensors should be less then 20m. If you need longer cables use either CCS2 in weatherproof housing closer to your sensor or use thicker wires.

All your  $\mu$ V-Signal wires of your sapflow sensors should be connected directly to your datalogger.

### Technical Details:

Power Input:	12-18Vdc, @90mA
Current output:	83mA, temperature stable, accuracy 0,1mA to achieve stable 200mW Heating in standard SapflowSensor with 20mm Heaterzone
Maximum Load:	3x 20mm Heating zone (about 100 Ohm)
Dimension:	W x L x H: 69 mm x 76 mm x 43 mm