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UVR61-PV photo-voltaic version

The UVR61-PV is suitable for use in 12 or 24 V DC networks. It has, with the exception of a few differences (see below) the same functionality and expansion options as the UVR61-3.

Operation is also possible without charge controllers with PV panels from 30W in combination with special solar pumps (e.g.: Ecocirc D5-Solar made by Laing).
For special applications with pump capacities > 20W, a capacitor block (special accessory) is recommended for improving the motor start-up.

Differences between UVR61-PV and UVR61-3:

- No PSC speed control is possible (output A1 is purely a switch output)!
- In the main level, the actual operating voltage is displayed after the sensor temperatures.

  E.g. **PV 12.5**: Panel voltage (= operating voltage) = 12.5 V
- It is possible to set the switching on and off thresholds for the outputs in the parameterization level (Par menu). Both menu items are displayed after the settings "max, min, diff".

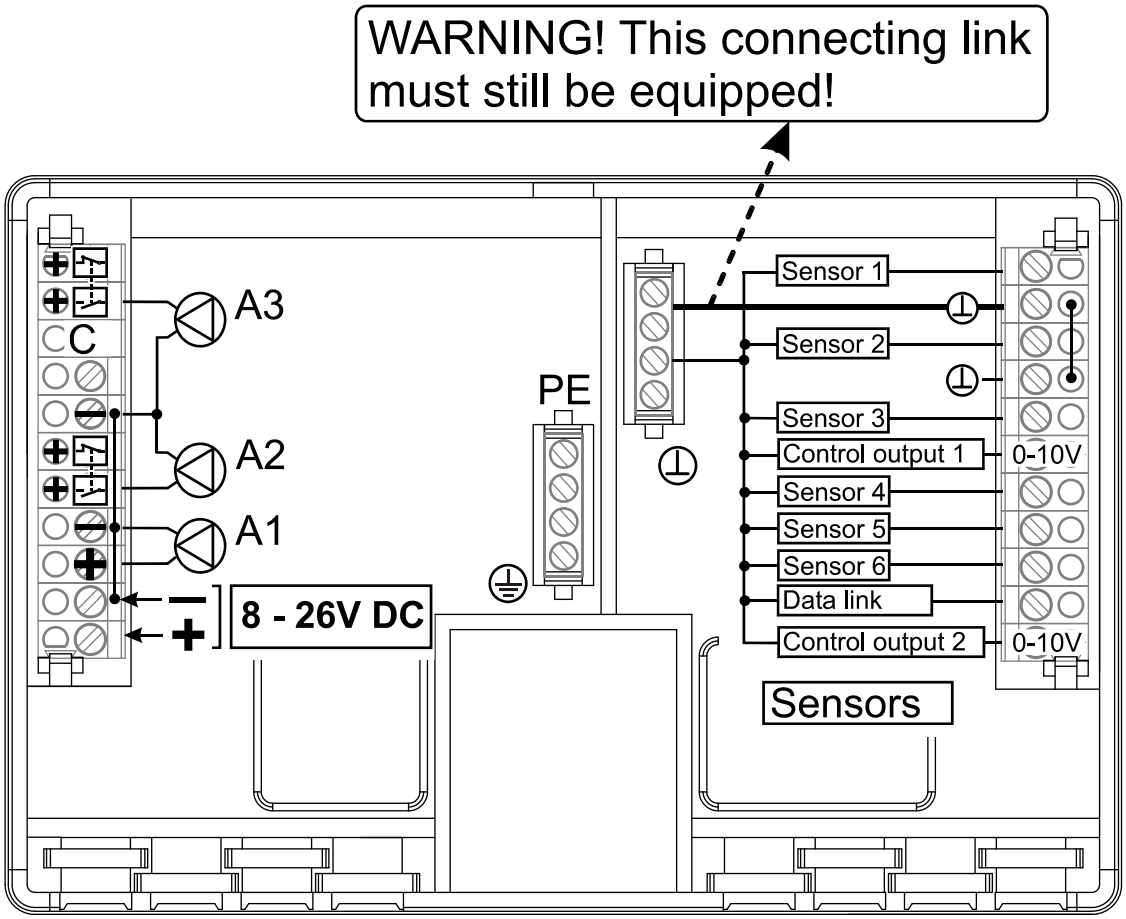
  Example:

  OP↓ 10.0: If the operating voltage falls below the set 10V value all outputs are switched off
  Adjustment range: 7-32V in 0.1V steps (WE=10.0V)

  OP↑ 11.8: If the operating voltage exceeds 11.8V, the outputs of the series are sequentially switched back on at intervals of 3 seconds.
  Adjustment range: 7-32V in 0.1V steps (WE=11.8V)

  Note: The value **OP↓** cannot be set greater than **OP↑** and vice versa. If one of the values cannot be adjusted further up or down, the other value must be changed first.

Wiring diagram:



Technical supplements:

- Operating voltage: 8 – 26V
- Current consumption at 12V (all outputs = OFF): < 10mA
- Current consumption at 12V (all outputs = ON): < 55mA
- Max. switching current output A1 1.5 A
- Common fusing of all outputs Fuse 3.15A slow