



UVR61 photo-voltaic version

The UVR61-PV is adapted to use in 12V DC and 24V DC power grids. It has the same functionality and possibility to be expanded as the UVR61-3 (differences you see below).

Operation is also possible without charge controller with PV panels from 30W in conjunction with special solar pumps from the company Laing (e.g. Ecocirc D5-Solar).

For special applications with pump capacities > 20 watts a capacitor block (special accessory) is recommended to improve motor start-up.

Appropriate panel, pump and capacitor block are available on request.

Differences from UVR61-PV to UVR61-3:

- The pump speed control PSC is not available (Output A1 is only a switching output)!
- In the main layer the actual operating voltage is shown behind the sensor temperatures.
e.g. **PV 12.5**: panel voltage (= operating voltage) = 12.5V
- In the parameter menu it is possible to set on/off switching thresholds for the outputs. These menu entries are shown behind the settings of "max, min, diff".

Example:

AG↓ 10.0: If the operating voltage of the controller falls below the value of 10V all outputs are switched off.

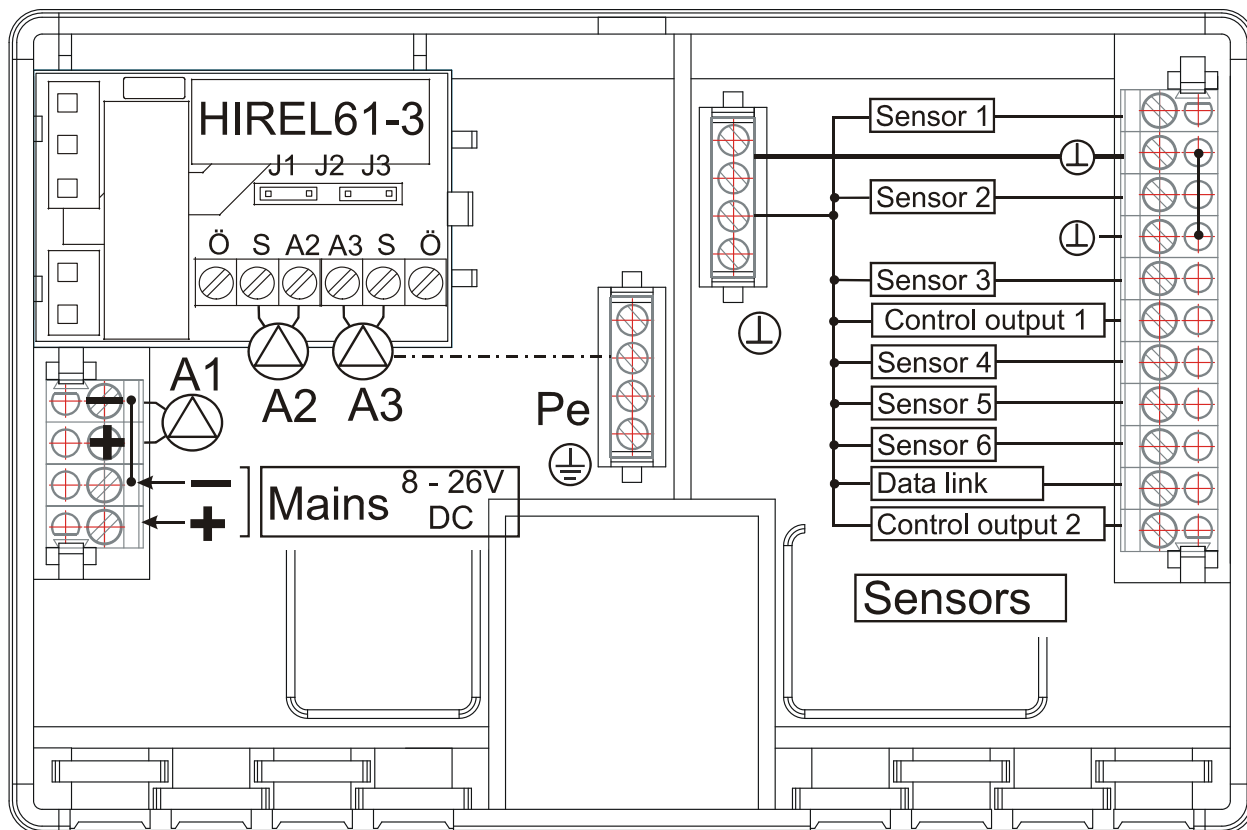
Setting range: 7-32V in 0,1V steps (ex=10.0V)

AG↑ 11.8: If the operating voltage of the controller exceeds the value of 11,8V the outputs are unblocked sequential at intervals of 3 seconds.

Setting range: 7-32V in 0,1V steps (ex=11.8V)

Notice: The value **AG↓** cannot be greater than value **AG↑**. If you cannot set one value higher or lower, you have to change the other one first.

Electrical connection:



Technical additions:

- Operating Voltage: 8 – 26V
- Current draw at 12V (all outputs = OFF) : < 10mA
- Current draw at 12V (all outputs = ON) : < 55mA
- Rated current load output A1 1.5 A
- Fuse (for all outputs) 3.15 A delay-action fuse