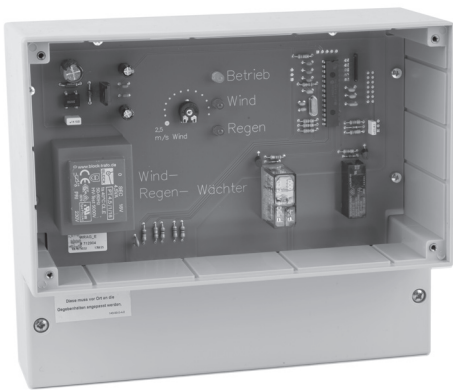


INSTALLATION AND COMMISSIONING INSTRUCTION

Wind and rain evaluation Type IV

Wind and rain evaluation Type IV



Part.-No.: 482008

Application: For the evaluation of wind and rain signals from wind and rain sensors Type 7x/8x (Part.-No.: 482100) or rain sensors operating with 24 V DC (Part.-No.: 480210) and their transmission via 3 volt free contacts.

Operating voltage: 230 V AC, 50 Hz

Standby current: <100 mA

Inputs: Rain sensor 24 V DC, wind sensor

Display: Power, wind, rain

Wind speed range: 2,5 – 10 m/s, adjustable

Outputs: 3x Change-over switches, 5 A / 230 V AC

Housing: Plastic, surface RAL 7035, bottom RAL 7021

Dimensions (W x H x D): 212 x 180 x 80 mm

Installation: Surface mounting

Connections: Screw terminal 1,5 mm² (rigid wire)

Protection rating: IP40

Feature / Equipment:

- Direct connection of drives up to max. 5 A, switch-on time delay for wind and rain signal, and switch-off time delay for wind signal.
- Suitable for surface mounting.



Only connect when disconnected from the mains power supply!
Switch off power supply and secure against re-connection!



Connection only executed by specialist personnel in accordance with the national guidelines.

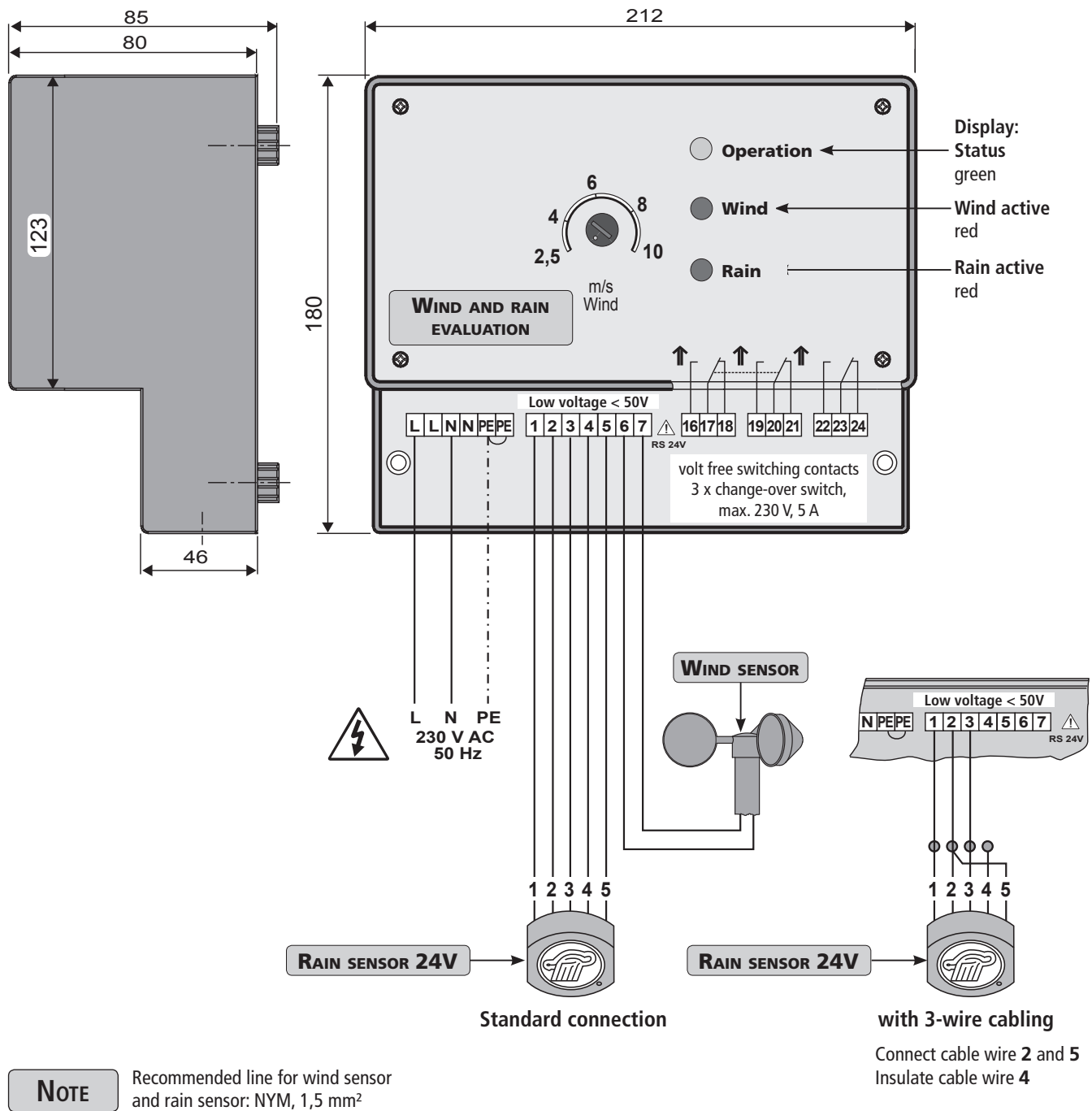


Warranty claims require proper and professional assembly, installation and maintenance in accordance with national regulations and manufacturer's instructions as to SHEV Control Unit. Always disconnect the system from power supply and back-up battery voltage prior to any installation or modification work on the Control Unit.



Strictly observe the information given in this and in the instructions for installation of the SHEV Control Unit, when mounting the **Wind and Rain evaluation unit Typ IV**. Details can be found on our website www.aumueller-gmbh.de
Keep this instruction over the lifetime of the product.

Display: Wind and rain evaluation Type IV



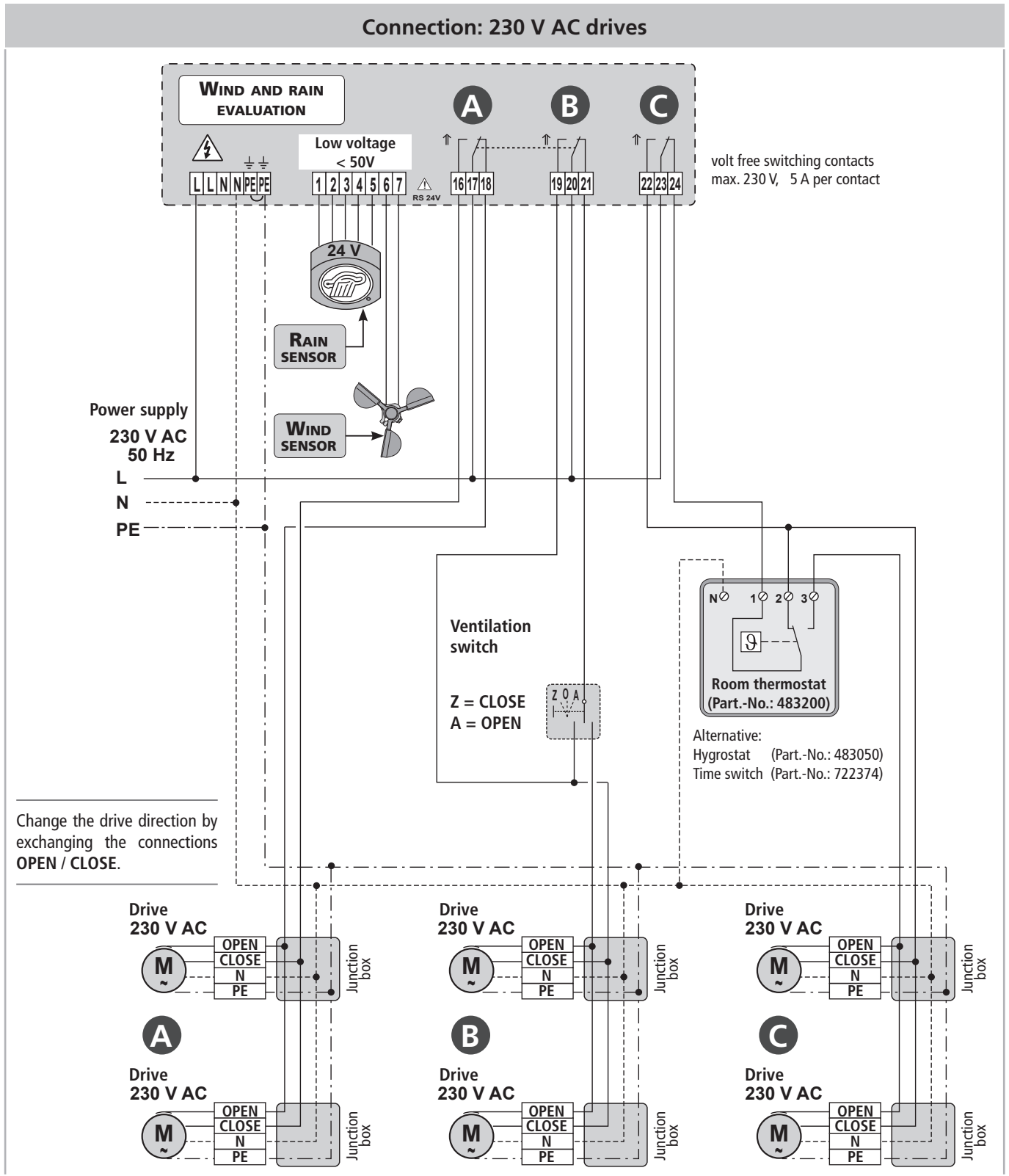
Description and function:

The **wind and rain evaluation Type IV** evaluates the signals of one wind sensor and one 24 V rain sensor. The wind speed setting is fully adjustable between 2,5 and 10 m/s.

To avoid too frequently switching the sensors, the control unit has a turn-on delay for wind of approx. 20 seconds - and additionally a turn-off delay for rain of approx. 8 minutes.

Troubleshooting

Problem:	Display "status" (green) flashes.
Reason:	Short circuit or overload
Solution:	Eliminate the fault at the rain sensor (terminal 1 / 2). Disconnect the 230V power supply for approx. 3 s. After that connect the power supply again.



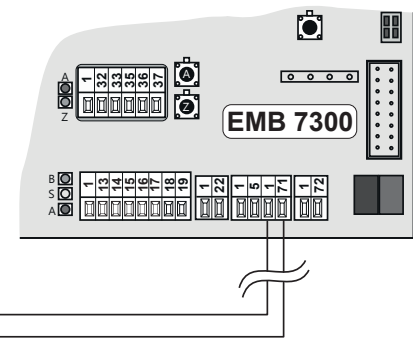
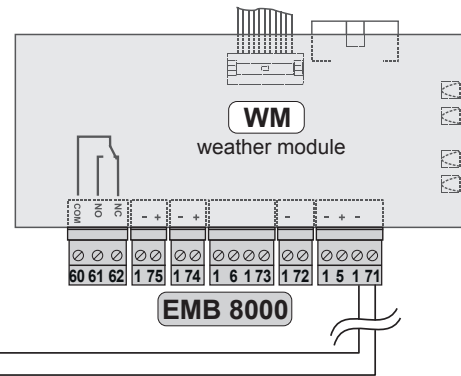
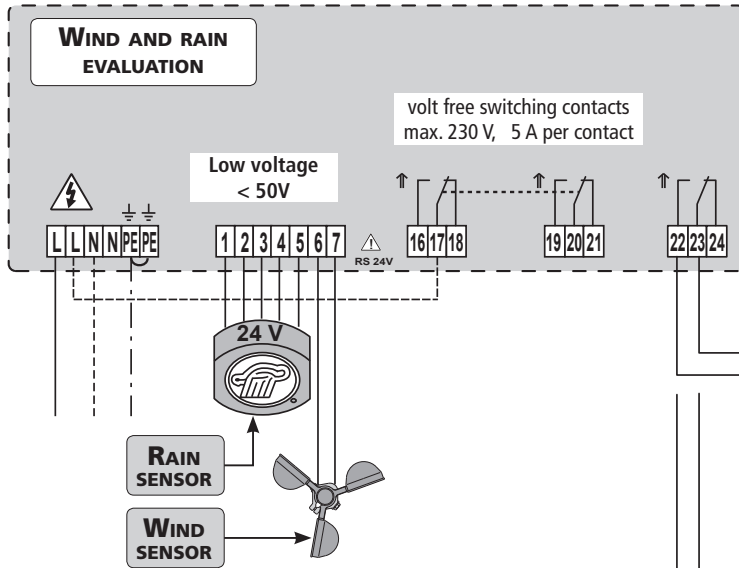
Connection and control of 230 V AC drives:


All three outputs (contacts) can be used with 230 V AC drives. The maximum permissible current consumption is 5 A per output. The drives must be used for direct switching - and when connecting several drives - be suitable for parallel operation.

The connection example shows 3 types of circuit:

- A** The drives open and close - depending the circuitry of the sensors.
- B** The drives can be actuated via the ventilation switch, when the sensors have switched to opening.
- C** The drives are switched via room thermostat, when the sensors have switched to opening.

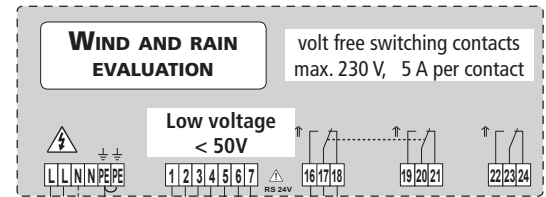
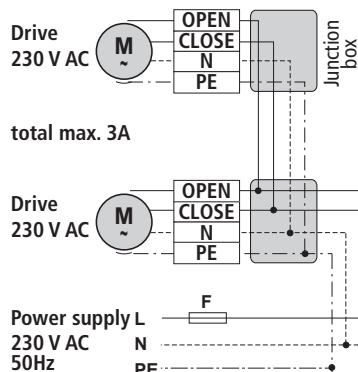
Connection: SHEV Control Unit EMB 7300 or EMB 8000





 The line cross sections are to be determined - depending on the cable length and the number of drives - only executed by specialist personnel in accordance with the national guidelines (min. 1,5 mm²).

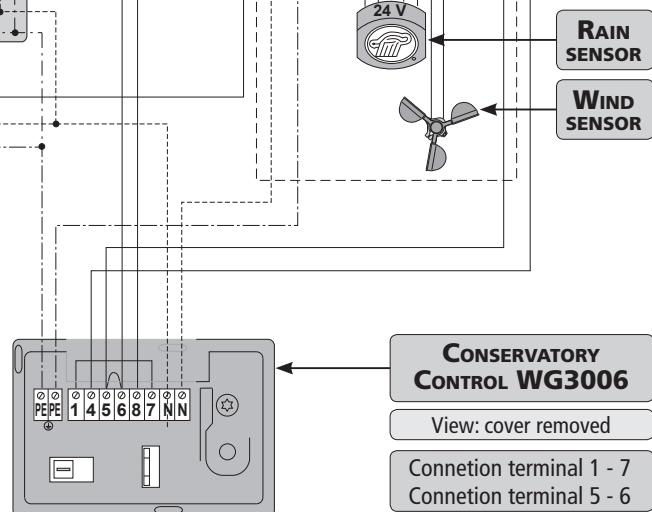
Connection: Conservatory Control WG3006

Change the drive direction by exchanging the connections OPEN / CLOSE.



 If several drives are connected, they must be suitable for parallel operation. Only drives may be used, which are suitable for a direct, delay-free switching of the driving direction.

 Fuse protection depending on cable cross-section (max. 1,5 mm²). Place the protective conductors on the separate terminals. The total current consumption of drives is limited to 3 A.



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