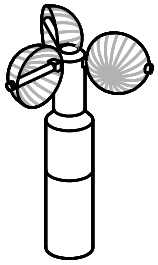
WIND GAUGE FOR VBPMS FANS



This wind gauge is used to drive the functioning of one or several VBPms hybrid fans. When connected to specific control boxes (CCPd or DCPd), the wind gauge controls the speed level of the fans according to the following pattern:

- **Wind below the limit indicated at the potentiometer:** VBPms fan is at nominal speed (depending on the setting of the CCPd or DCPd);
- **Wind above the limit indicated at the potentiometer during more than 2 seconds:** VBPms fan reduces at stand-by speed (average 100 rev./mn) about 30 seconds later, during about 10 minutes after the wind passing over the speed limit. After 10 minutes, the fans return to nominal speed, unless the wind gust is still over the limit.

This device is a way to combine the benefits of Passive Stack Ventilation (natural system with no power consumption) with a low pressure assistance fan to maintain a good indoor air quality when the wind is not strong enough.

ADVICE BEFORE STARTING WORK

1. To guarantee the water proofness during assembly, follow the instructions in the sketch below.
2. Always keep a minimum distance of 1 cm between the cable of the wind gauge and the other cables.
3. Adjust the limit value of wind's speed according to the local conditions with the potentiometer. Preset at 20 km/h.
4. Make sure that the wind gauge's function isn't hindered (by wall, closed shades and so on).

TECHNICAL SPECIFICATIONS

Product composition

- Wind gauge with fixing set
- Connection enclosure IP 65
- Fixing screws for the casing (drill Ø 6 mm)

Electrical data

- Supply voltage: 230 VAC / 50 Hz
- Contact loading capacity 230 VAC / 4 A (internal protection over fuse 4 A inertly)

Operation data

- Adjustment of wind's speed limit: up to 55 km/h
- Reaction time when exceeding this limit: 3 seconds (5 seconds maximum)
- Stand-by duration: 10 minutes steps (fixed)

Environment

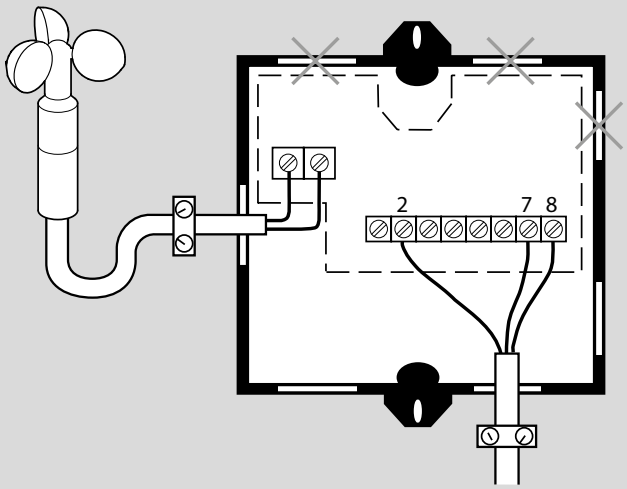
- Protection class II
- Protection degree IP 65
- Operating temperature: from -25 °C to +50 °C

Dimensions

- The waterproof case: 80 x 100 x 52 mm
- Fixing holes-distance : 90 mm

INSTRUCTIONS FOR WATERTIGHT MOUNTING

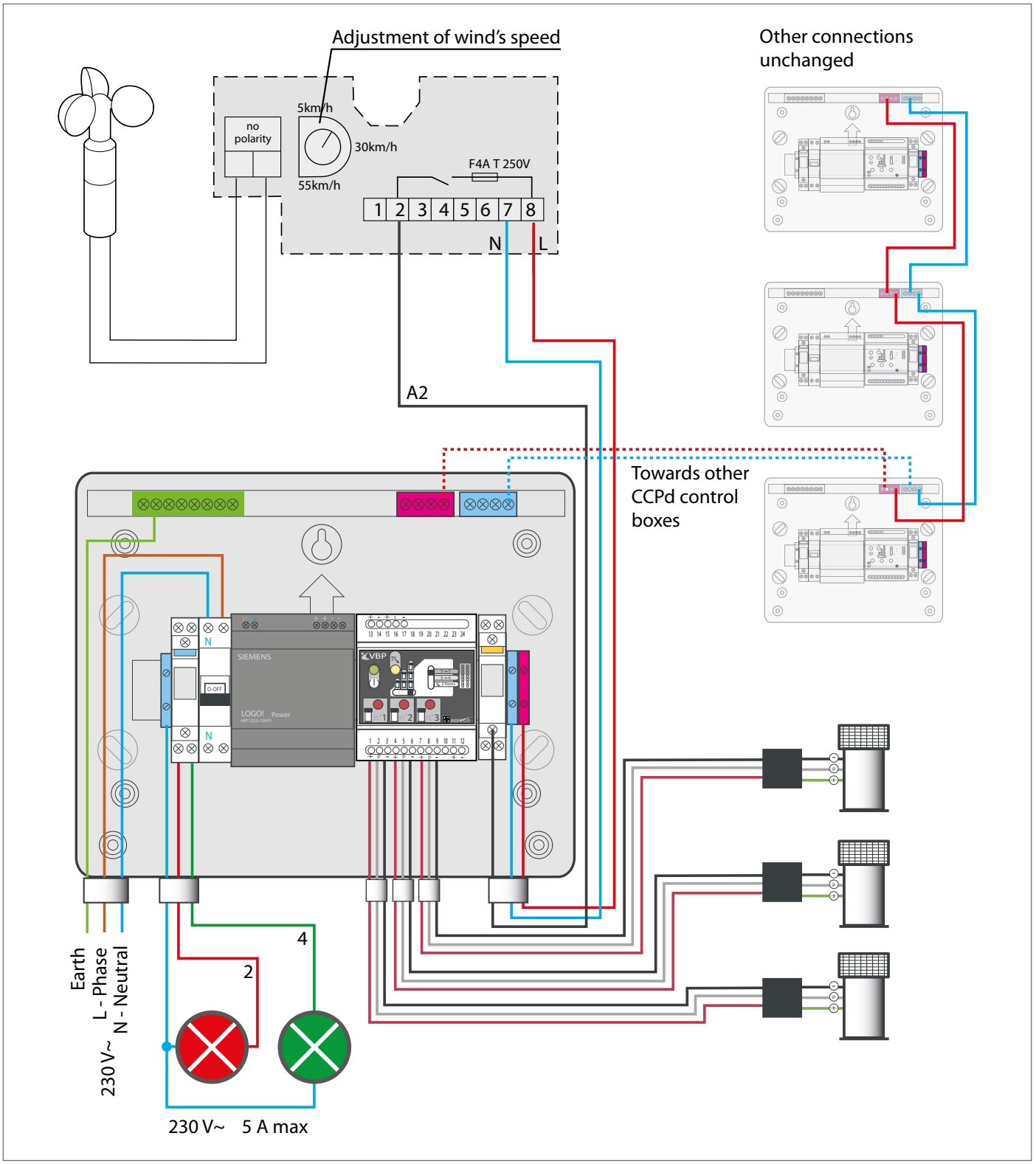
1. Fix the case with outer brackets
2. Drill through the membrane with a small sharp object
3. Push and turn wire through membrane
4. Leave a curl to allow water flowing
5. Do not open other cable entries that are not used.



CCPD CONNECTIONS (REF. AVE348)

1 to 3 fans connected to each box

WARNING:
Only CCPd (ref.AVE348) can be connected to a wind gauge. Standard CCP (ref. AVE197) can only be driven by the delivered thermal sensor.

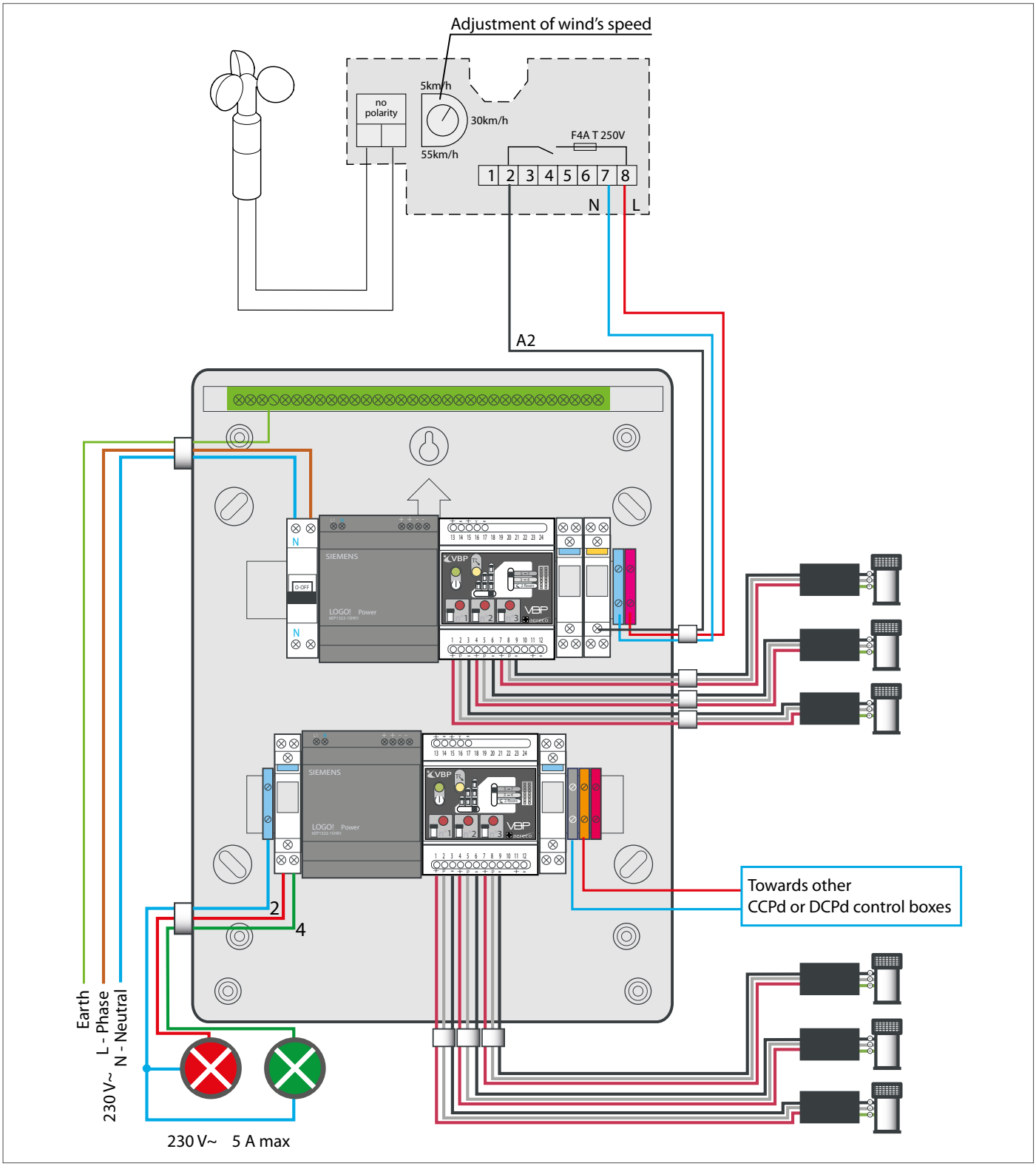


Please refer to specific installation brochures for CCPd control box and VBP fan.

DCPD CONNECTIONS (REF. AVE349)

4 to 6 fans connected to each box

WARNING:
Only DCPd (ref.AVE349) can be connected to a wind gauge. Standard DCP (ref. AVE198) can only be driven by the delivered thermal sensor.



Please refer to specific installation brochures for DCPd control box and VBP fan.

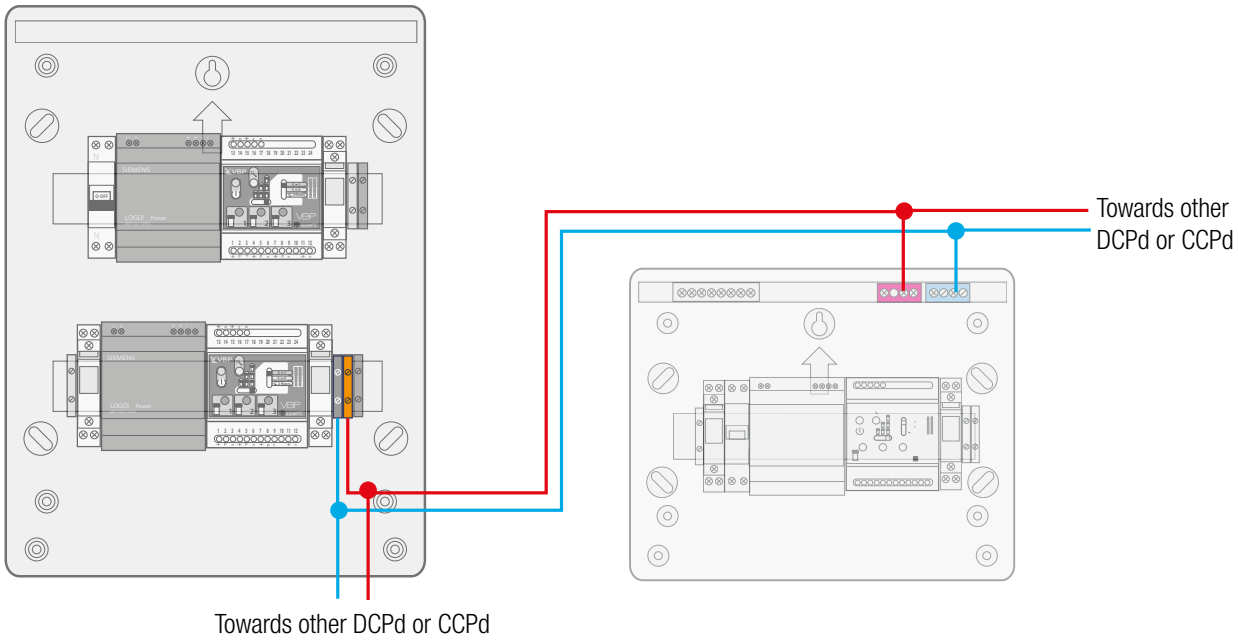
MULTIPLE DCPD - CCPD CONNECTIONS

The schemes below show the electrical connection when one DCPd with a wind gauge is connected to several boxes (CCPd and DCPd) . All other connection are identical to the ones described in the previous pages.

When DCPd and CCPd are combined together, please always connect the wind gauge to a DCPd as described in the scheme below.

DCPd > CCPd

DCPd connected to wind gauge



DCPd > DCPd

DCPD CONNECTED TO WIND GAUGE