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HURRICANE-RS

I **ANEMOMETRO CON SENSORE DI SOLE E TEMPERATURA - SEGNALE VIA RADIO**

GB **ANEMOMETER WITH SUN AND TEMPERATURE SENSOR - WIRELESS**

F **ANÉMOMÈTRE AVEC CAPTEUR DE SOLEIL ET TEMPÉRATURE - PAR RADIO**

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E **ANEMÓMETRO CON SENSOR DE SOL Y TEMPERATURA - VIA RADIO**

P **ANEMÓMETRO COM SENSOR DE SOL E TEMPERATURA - COMANDO VIA RÁDIO**

Fig.1

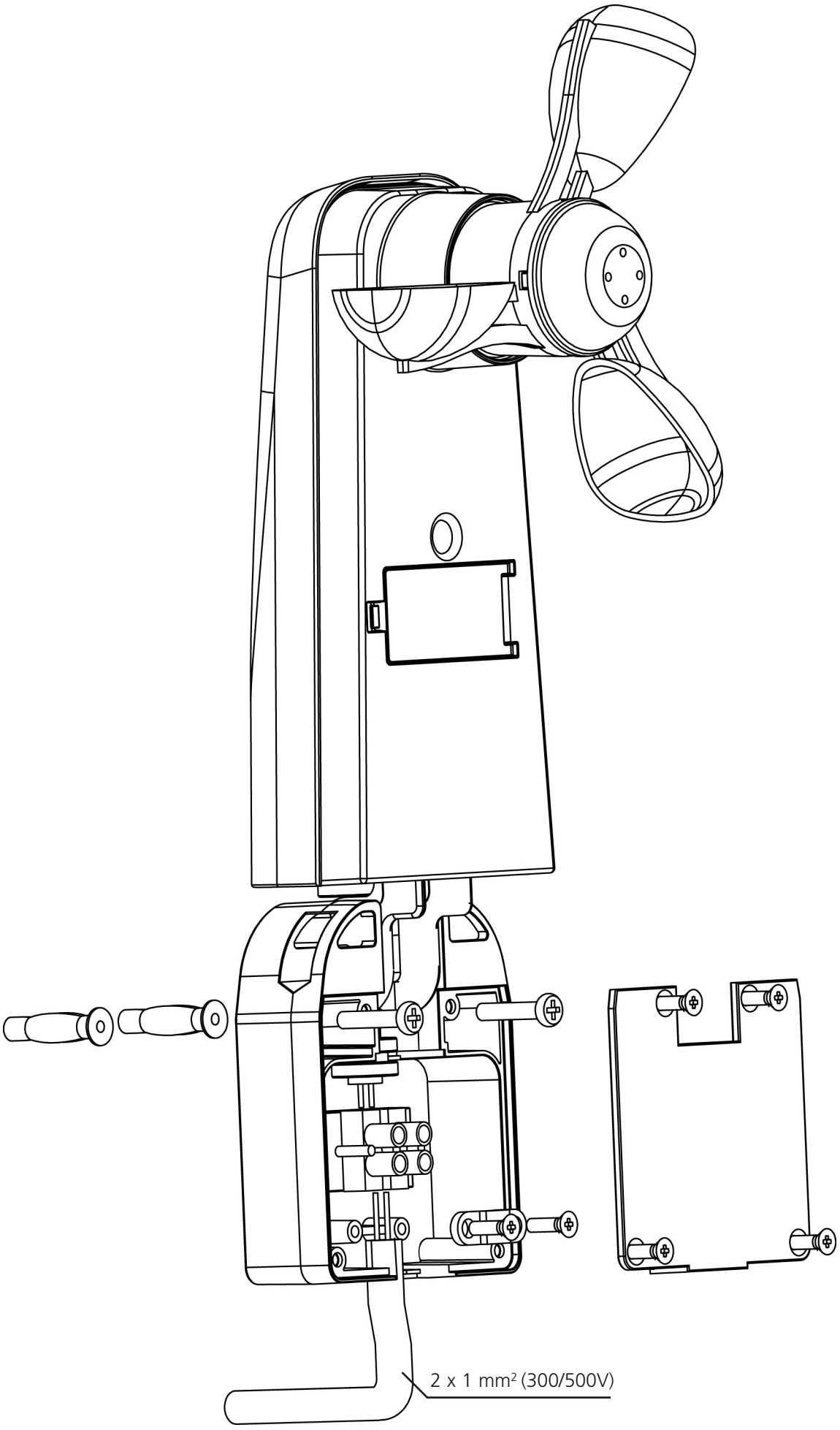
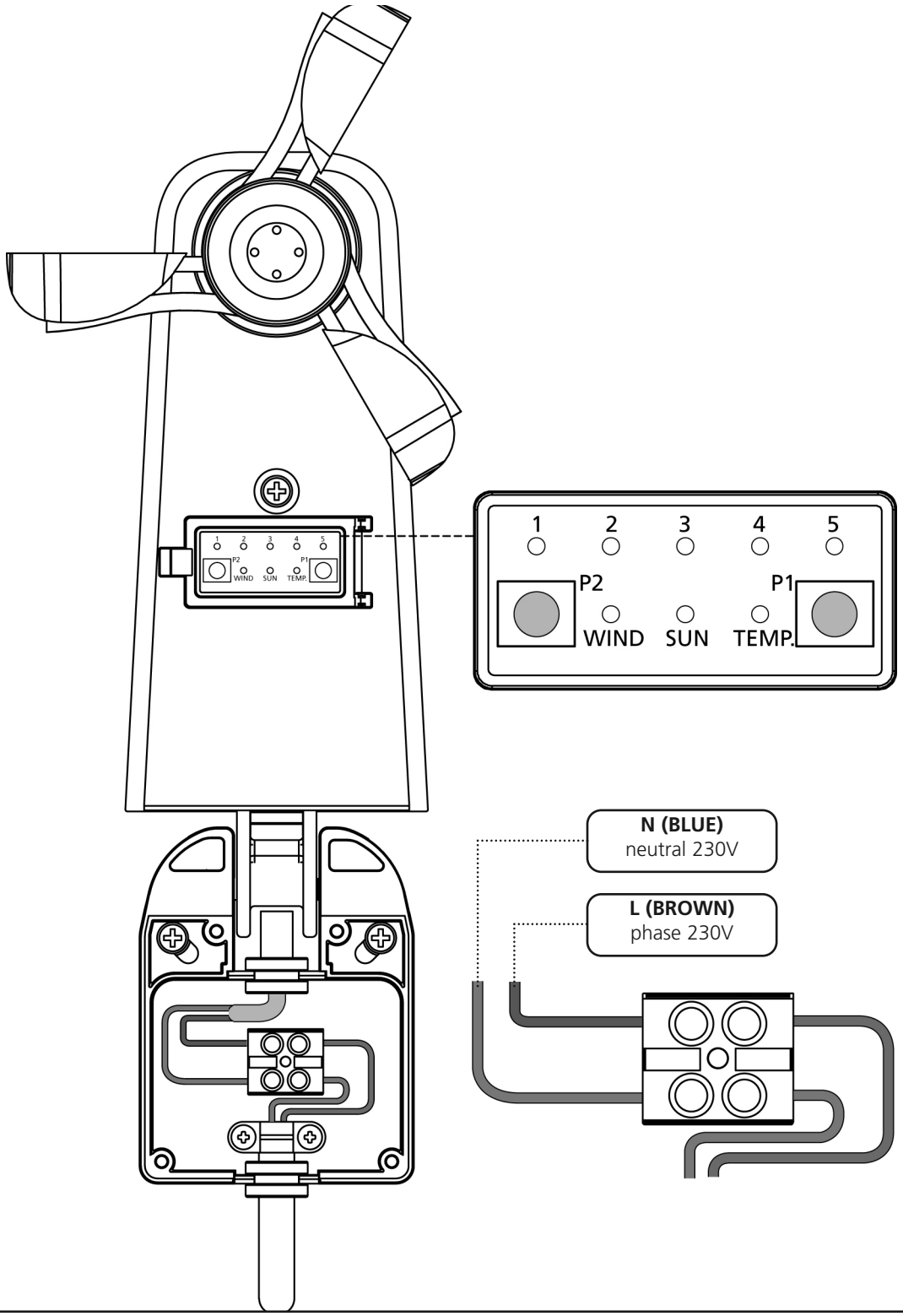


Fig.2


1 2 3 4 5
P2
P1
WIND SUN TEMP.
N (BLUE)
neutral 230V
L (BROWN)
phase 230V

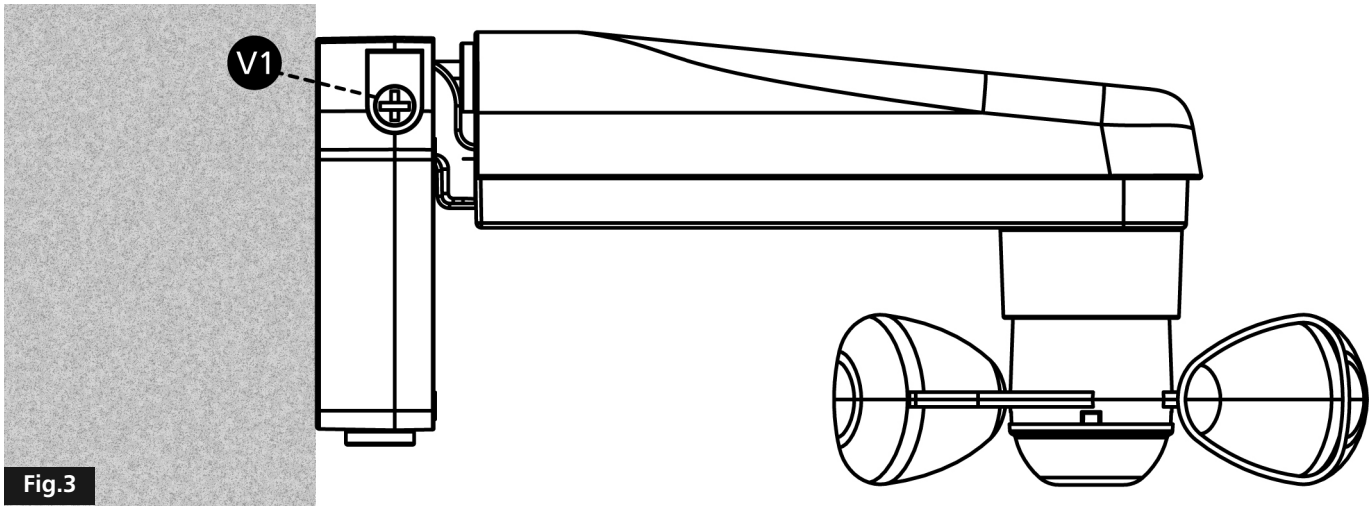

V1

Fig.3

ENGLISH

ANEMOMETER WITH SUN AND TEMPERATURE SENSOR – REMOTE CONTROL

The HURRICANE-RS sensor detects the sun, wind, and temperature parameters and transmits them by radio to the remote controller.
If the SUN threshold is exceeded, an OPEN command is sent to the sunshade, whereas if the WIND threshold is exceeded, a CLOSE command is sent.

Using 2 buttons and 8 LEDs, the thresholds for the sensors can be set and the device can be memorized on the controlled remote controller.

To install HURRICANE-RS, carefully read these instructions.

CAUTION: If the system is left unattended for long periods, we recommended that the sunshade be closed and that the sun sensor's automatic function be deactivated.

TECHNICAL DATA

Maximum applicable voltage	230 V ~ 50Hz
Absorbed power	3,5 W
Transmission frequency	434,15 MHz
Protection	IP44
Temperature for use	-20 ÷ +60 °C

1. DEVICE MEMORIZATION ON REMOTE CONTROLLERS

1. Move to a position close to the remote controller that will be controlled
2. Power the device with a temporary cable

3. If the sunshade is controlled with transmitters in the **DUO** series, use a remote control that is already memorized in the controller and proceed as follows:
   - **a.** Press SELC on the transmitter a few times, until the LEDs display the channel memorized (only DUO6 and DUO4)
   - **b.** Return the awning to its mid-height
   - **c.** Move Switch 1 on the transmitter to the ON position
   - **d.** Press and hold down PROG on the transmitter for about 5 seconds, until the motor starts to move
   - **e.** Release PROG and the motor will stop
   - **f.** Press **P1** on HURRICANE-RS for at least 2 seconds (Fig.2)
   - **g.** To check that it has been memorized correctly, press **P1**: the sunshade should CLOSE. If not, repeat the procedure

4. If the sunshade is controlled with transmitters in the **ADLER** series, use a remote control that is already memorized in the controller and proceed as follows:

   CAUTION: If the remote control used has multiple channels, first select the channel memorized in the controller using C.

   - **a.** Press and hold down the UP and DOWN buttons on the remote control until the motor starts to move in one direction.
   - **b.** Release the buttons and the motor will stop.
   - **c.** Within 8 seconds, press **P1** on HURRICANE-RS for at least 2 seconds
   - **d.** To check that it has been memorized correctly, press **P1**: the sunshade should CLOSE. If not, repeat the procedure.

2. INSTALLATION

CAUTION: For correct operation, please remember that the sensor must be positioned near the sunshade it protects and in an area exposed to sun and wind.
The articulated arm should be parallel to the ground and the blades should be turned downwards (Fig. 3).

Before attaching the device, make sure the radio coverage is sufficient: put HURRICANE-RS in the position for installation and press **P1**. Check that the sunshade closes.

CAUTION: Check that there are no other devices operating on the same frequency (434.15 MHz) and with continuous transmission, such as alarms, radio headphones, etc., which may interfere with the communication between the sensor and the command controller. Installing more HURRICANE-RS sensors in the same area could give rise to the same problem.

If the radio channel is not accessible for more than 15 minutes, for safety reasons the controller closes the sunshade and blocks.

The system will return to normal operation once the controller again receives the radio signal from the sensor.
To force exit from the BLOCK state, power must be disconnected from the command controller for a few seconds.

1. Remove the cover (Fig. 1)
2. Attach the device to the wall using the provided wall plugs (Fig. 1)
3. Position the articulated arm horizontally with the blades turned downwards (Fig. 3)

CAUTION: If the articulated arm is not perfectly horizontal there may be problems detecting the wind speed.

4. Tighten the screw, **V1** (Fig. 3), to lock the movement of the arm

3. ELECTRICAL WIRING

1. Connect a power grid cable (2 x 1.5 sq. mm section) on the **L** and **N** terminals
2. Block the cable using the provided cable gland
3. Close the cover

4. SENSOR THRESHOLD LEVELS

To display and modify the threshold levels of the various sensors, follow this procedure:

a) WIND Sensor

⚠ **CAUTION:** To cause the sunshade to close, the wind sensor must detect a value greater than the set threshold for at least 5 seconds. Closure of the sunshade due to strong wind causes the system to block for 8 minutes.

1. Press **P2**: the **WIND** LED will turn on, identifying the wind sensor, and at the same time the LED that displays the sensor threshold level turns on:
LED 1 = level 1 = 10 km/h (default value)
LED 2 = level 2 = 15 km/h
LED 3 = level 3 = 20 km/h
LED 4 = level 4 = 30 km/h
LED 5 = level 5 = 40 km/h

2. To change the set level, press **P1** a number of times until the level you want is displayed (once level 5 is reached, the next time it is pressed it restarts from level 1).

b) SUN Sensor

⚠ **CAUTION:** To cause the sunshade to open, the sun sensor must detect a value greater than the set threshold for at least 8 minutes.
To cause the sunshade to close, the sun sensor must detect a value less than the set threshold for at least 8 minutes.

1. Press **P2** twice: the **SUN** LED will turn on, identifying the sun sensor, and at the same time the LED that displays the sensor threshold level turns on:
LEDs OFF = sensor disabled
LED 1 = level 1 = 2 klux
LED 2 = level 2 = 5 klux
LED 3 = level 3 = 10 klux (default value)
LED 4 = level 4 = 20 klux
LED 5 = level 5 = 40 klux

2. To change the set level, press **P1** a number of times until the level you want is displayed (once level 5 is reached, the next time it is pressed it restarts from level 1).

c) TEMPERATURE Sensor

This function allows the temperature level below which the device must not open the sunshade, even if the light intensity is greater than the threshold level set.

This function is very useful in countries with cold climates, where it is often sunny but very cold. Under these conditions it is not necessary that the sunshade open, which would prohibit the sun's rays from heating the inside space.

1. Press **P2** three times: the **TEMP** LED will turn on, identifying the temperature sensor, and at the same time the LED that displays the sensor threshold level turns on:
LEDs OFF = sensor disabled
LED 1=Level 1 = sensor disabled (default value)
LED 2 = Level 2 = 0 °C
LED 3 = Level 3 = 5 °C
LED 4 = Level 4 = 10 °C
LED 5 = Level 5 = 15 °C

2. To change the set level, press **P1** a number of times until the level you want is displayed (once level 5 is reached, the next time it is pressed it restar

DECLARATION OF CONFORMITY

V2 SPA herewith states that the HURRICANE-RS models are in accordance with the following EEC directive:

2004/108/CEE	**EMC directive**
2006/95/CEE	**Electrical safety directive**
99/05/CEE	**Radio directive**

Racconigi, 02/02/2010
V2 SPA legal representative
Cosimo De Falco

ENGLISH