PROGRAMMING MANUAL FOR THE AC302-02 WIND AND SUN SENSOR

1. TECHNICAL SPECIFICATIONS
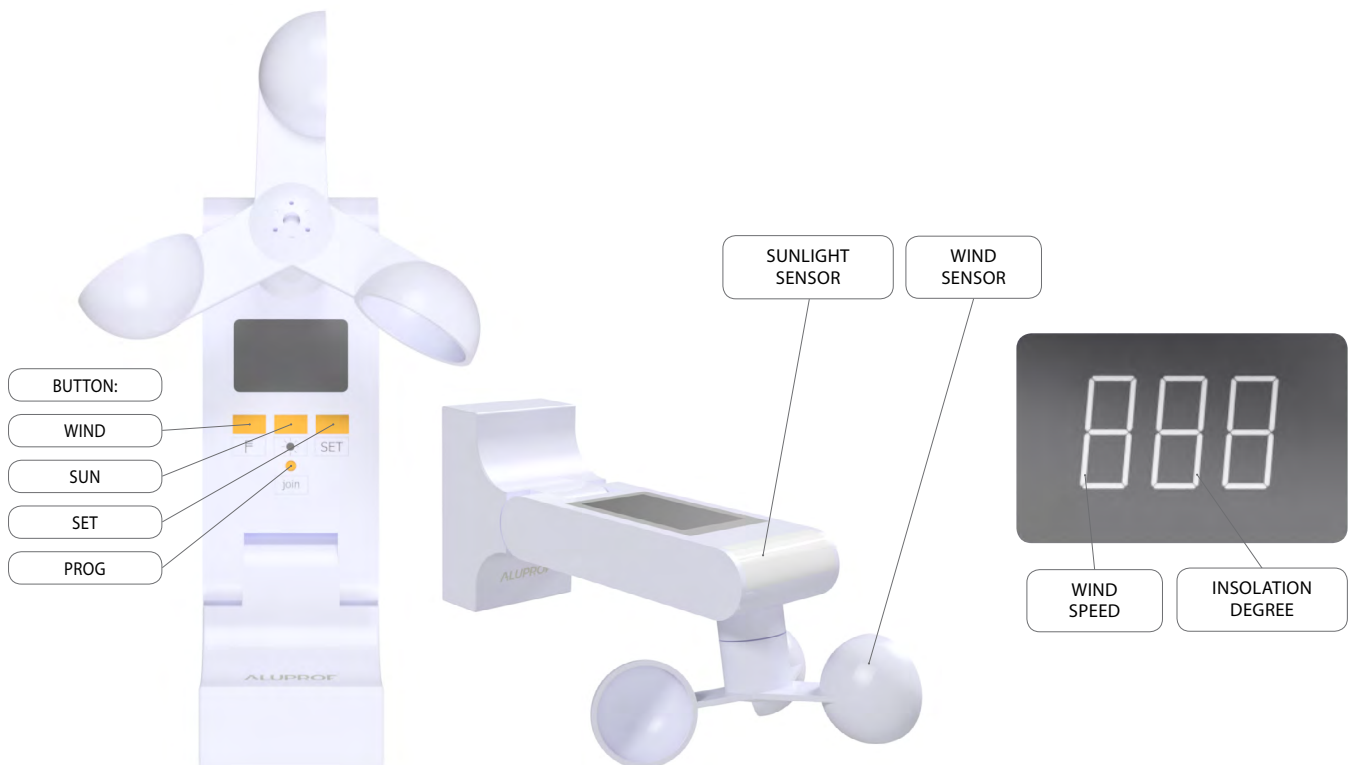

Power supply:	230 VAC / 50 Hz
Frequency:	433.92 MHz
Radiated power:	15 miliwat (mW)
Operating temperature:	~ -40°C - ~ +85°C
Protection degree:	IP55
Average range:	80 meters (in open space), 20 meters (inside buildings)
Power cable length:	2.5 m

Works with all AM series radio control motors as well as AC control units and switches offered by ALUPROF S.A.

Company reserves the tolerance of catalog data due the different conditions usage.
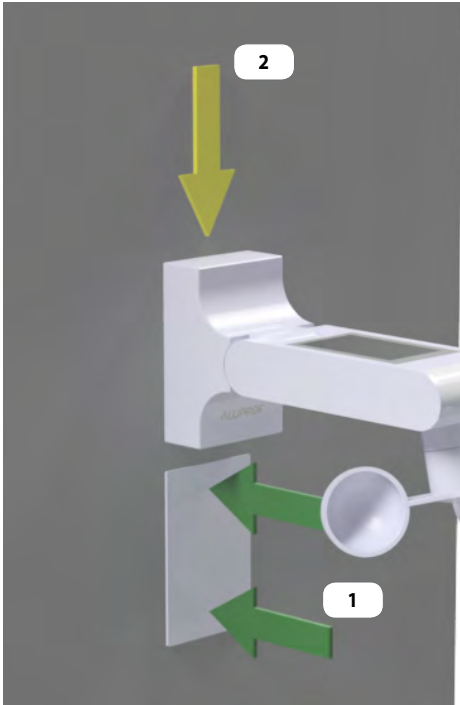
2. DIAGRAM OF THE FRONT PANEL

BUTTON:
WIND
SUN
SET
PROG

SUNLIGHT SENSOR

WIND SENSOR

WIND SPEED

INSOLATION DEGREE

C E

We reserve the right to any technical change.
Valid on 2022.03.16

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- Setting the value "0" for the wind speed or the degree of insolation will deactivate the sensor.
- It is recommended to set the ranges based on the measurements from the test mode.
- After the signal is sent by the wind sensor, there is a 12-minute break in transmitting signals from both sensors.

3. INSTALLING THE SENSOR

1. Fix the rear flap to the wall.
2. Slide the sensor over the flap.

4. PAIRING WITH THE RECEIVER

Switch the receiver to programming mode.

Press the "PROG" button.

The motor will make a short move DOWN - UP.

The sensor has been added.

5. ACTIVATE TEST MODE

Press and hold the "WIND" and "SET" buttons for 3 seconds.

The display will show the wind speed and insolation ranges for the current conditions.

Press and hold the "WIND" and "SET" buttons for 3 seconds to deactivate.

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6. PROGRAMMING THE DIRECTION OF MOVEMENT

Press and hold the "WIND" and "SUN" buttons for 3 seconds.

The display will show the set motor operating direction when the wind range is exceeded.

(!) After exceeding the insolation range, motor runs opposite then in the wind mode.

7. SETTING THE RANGE FOR WIND

Press the "WIND" button until the required value is reached.

(!) The opening signal is send when the wind speed is exceeded for at least 3 seconds. No signal is sent when the speed drops below the set speed.

wind speed	10 km/h	15 km/h	20 km/h	25 km/h	30 km/h	35 km/h	40 km/h	45 km/h	50 km/h
LCD	1	2	3	4	5	6	7	8	9

8. SETTING THE RANGE FOR INSOLATION

Press the "SUN" button until the required value is reached.

(!) - The insolation levels are in the range 0.2 - 10 [kLux].
- The closing signal is sent if the insolation value is exceeded for at least 2 minutes. If the value drops below the set brightness, an opening signal is sent. After 1 minute from opening, the sensor will switch to standby mode and the control is possible using the other transmitters.

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