

# Remote Sensor AOK-2025D

## Exterior wireless sensor

- signal transmission on the frequency ASK433.92 MHz
- range up to 25 m in free space (without interference)
- cover resistant to weather

## Technical parameters

Thermal range:  $-50^{\circ}\text{C}$  ( $-58^{\circ}\text{F}$ ) to  $+70^{\circ}\text{C}$  ( $158^{\circ}\text{F}$ ) ( $\pm 1^{\circ}\text{C}$  with a resolution  $0.1^{\circ}\text{C}$ )

Data transmission: every ca 35s

Broadcast: on the frequency ASK433 MHz

Range: up to 25 m in free space and without interference (in a built-up area the range may drop rapidly)

Power supply: 2.5V -3.3V

Dimensions: 63x 25 x 90 mm

## Button description

- A – LED diode
- B – LCD display
- C – hook for hanging on the wall
- D – battery cover
- E – battery compartment
- F – temperature unit selection ( $^{\circ}\text{C}/^{\circ}\text{F}$ )

## Commissioning

1. First insert the battery to the thermometer, then to the exterior wireless sensor (see Battery insertion and replacement).
2. On or after power on, the LCD display for 3 seconds, then detecting the temperature / humidity / low voltage emission current temperature / humidity data at the same time, LED flash, after entering the normal mode, each synchronization cycle before the arrival of the detection temperature / humidity and transmitting a data.

### **Battery insertion and replacement**

When inserting or replacing batteries in the sensor, proceed as follows:

1. Remove the battery compartment cover.
2. Insert the battery, take care to maintain the correct polarity of the inserted battery, follow the symbols at the bottom of the battery compartment.
3. Close the battery compartment cover.

Use alkali batteries, never use rechargeable batteries.

In case of low temperatures, lithium batteries are recommended.

Troubleshooting of sensor signal reception problems

If the sensor data fail to display, remove batteries from the sensor and from the meteo station and repeat the procedure according to the “Commissioning” section!

Also check:

1. if the wireless sensor and the thermometer are 1.5 m to 2 m from any sources of interference such as computers, monitors, televisions and

other electric appliances.

2. if the wireless sensor isn't on a metal construction such as a window frame, metal sheet window sill etc.

3. if there aren't unwanted interferences from nearby products, which operate on the same frequency (433 MHz)

The transmission range is 25 m in free space. It is significantly affected by the environment and interferences. In a built-up area the range may drop, depending from the used building material, to several meters only.

#### Maintenance

- Do not put the thermometer nor the sensor in places prone to vibrations and shocks, as the appliances might get damaged.
- Put the sensor to a place sheltered from direct sunlight and rain.
- Avoid environments with sudden temperature jumps, i.e. with direct sunlight, extreme cold and humidity and any other conditions, which might compromise the sensory precision.
- When cleaning the LCD display and the appliance cover, use only a soft moist cloth. Do not use solvents or any cleaning preparations.
- Do not submerge the sensor into water nor any other liquid.
- Do not attempt any repairs on your own. If the product is damaged or faulty, send it to the shop, where you bought it, for repairs.
- Once depleted, remove the batteries from the appliances – they might leak and damage the appliance.

Use only new batteries of the prescribed type.

Hand the used batteries over at the used battery collection point.

#### **FCC STATEMENT**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



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