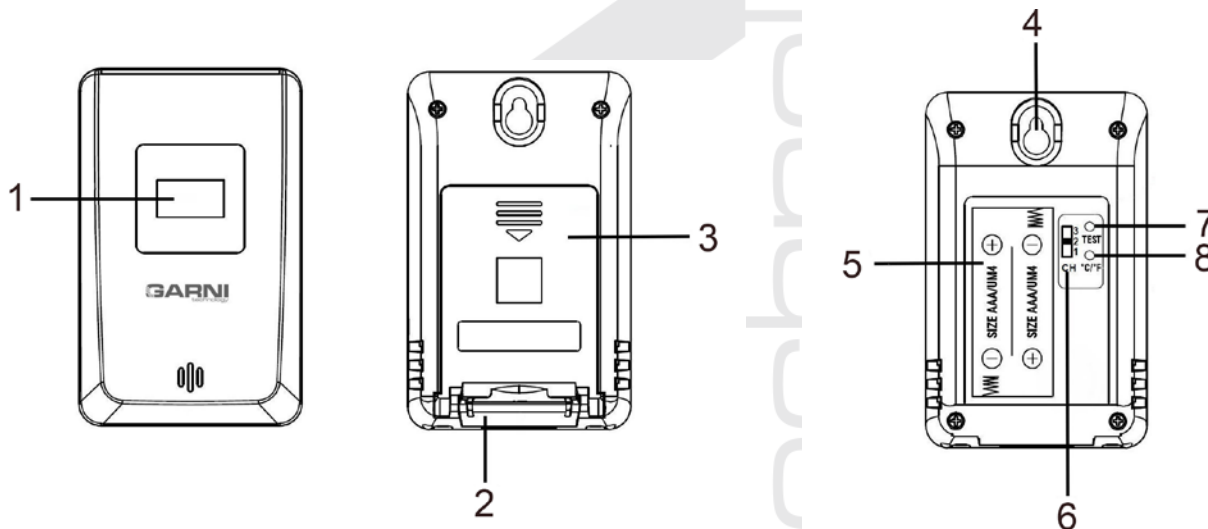


INSTRUCTION MANUAL FOR WIRELESS SENSOR MODEL **GARNI 045H**

DESCRIPTION



- 1) Display
- 2) Stand
- 3) Battery compartment cover

- 4) Mounting hole
- 5) Battery compartment
- 6) Channel switch **CH**

- 7) **TEST** button
- 8) °C/°F button

COMMISSIONING

To establish a connection with the main unit, please follow the instructions manual that came with the weather station.

- 1) Remove the battery compartment cover on the rear side of the wireless sensor.
- 2) Set the required channel using the **CH** switch
- 3) Insert 2 pcs AAA batteries – observe the correct battery polarity
- 4) After the batteries are inserted, a signal is sent to the main unit. The signal can also be sent manually, using the **TEST** button in the battery compartment of the wireless sensor
- 5) Close the battery compartment.

When the signal is received successfully, the measured values are shown on the display on the selected channel. Use the °C/°F button to change the temperature unit displayed on the wireless sensor.

If the wireless sensor signal is lost, hold down the **CH** button on the main unit for 3 seconds. The main unit will re-commence searching for the wireless sensor signal. Now press the **TEST** button in the battery compartment of the wireless sensor.

Note: For the wireless sensor, lithium batteries are recommended due to their better resistance to frost. Do not use rechargeable batteries.

Using multiple wireless sensors

If you want to use multiple wireless sensors, select a different channel for each wireless sensor. Then proceed same as when establishing a connection with one wireless sensor. The connection establishment process must be repeated after each battery replacement.

Placement

Placement of the wireless sensor

Place the wireless sensor away from direct sunlight not to compromise the measurement. Placement outdoors, at the northern wall is recommended. Obstacles such as walls, concrete, metal structures and large objects reduce the signal range. Position the wireless sensor vertically for optimum signal transmission. The signal range may be affected by obstacles (walls, trees) and other electrical devices (TVs, monitors, etc.). You may suspend the wireless sensor from the mounting hole or stand it.

TROUBLESHOOTING

problem	possible cause	solution
the outdoor temperature and rel. humidity are not displayed	the connection between the main unit and the wireless sensor is not established dead batteries in the wireless sensor	place the wireless sensor closer to the main unit replace the batteries
the measured outdoor temperature and rel. humidity are not accurate	wireless sensor measurement is affected by ambient conditions	do not expose the wireless sensor to direct sunlight place the wireless sensor in shade at a dry place

SAFETY PRECAUTIONS

- Do not expose the device to excessive force, shocks, dust, temperature and humidity
- Do not cover the ventilation holes with any objects like newspapers, curtains, etc.
- Never immerse the device in water. If you spill liquid on it, dry it immediately with a soft, lint-free cloth
- Do not clean the device with abrasive or corrosive substances
- Do not handle the internal components of the device, as this will void your warranty
- Use only fresh batteries. Never mix fresh and old batteries
- Do not recharge the batteries. Place the station and its parts outside the reach of children
- Do not throw old batteries to unsorted municipal waste, but use the designated areas
- Dispose of this product in accordance with applicable regulations
- Use only accessories specified by the manufacturer
- Do not interfere with the internal circuits of the device, as this may void the warranty
- The technical specifications are subject to change without notice

SPECIFICATION

Wireless sensor GARNI 045H (for weather stations GARNI 520 and 525)

Power supply:	2 pcs AAA 1.5 V batteries type (micro)
Temperature measurement range:	-40°C to +70°C
Accuracy of measurement:	+/- 1°C
Resolution:	0.1°C
Humidity measurement range:	20% to 99%
Accuracy of measurement:	+/- 5%
Resolution:	1%
Transmission frequency:	433 MHz
Maximum RF output:	10 dBm (10 mW)
Data transmission interval:	50 s
Range:	up to 80 m in open space
Dimensions:	59 x 95 x 25 mm (without stand)

GARNI technology a.s. hereby declares that the type of the radio equipment – wireless sensor model GARNI 045H conforms to the Directive 2014/53/EU. The full EU Declaration of Conformity is available on the following website: www.garni-meteo.cz

*The manual was prepared for GARNI technology a.s. by Roman Gajda.
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