

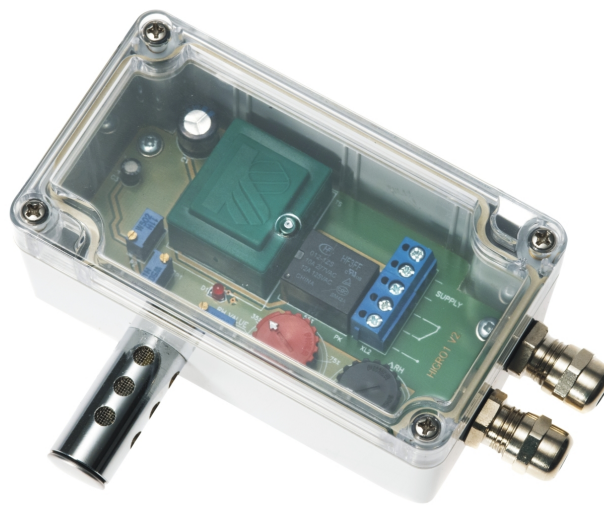


hotcold

## INSTRUCTION MANUAL

### INDUSTRIAL HYGROSTAT

#### **HGR-21Ka-a ; HGR-21Ka-b**



*View of HGR-21Ka*

#### **Description:**

- Hygrostat HGR-21Ka is designed to work in rooms and industrial accommodations.
- Humidity measurement is based on polymer sensor HIH-4031 type.
- For exact work, sensor needs slowly flowing air without vapour condensation.
- Polycarbonate waterproof housing ( IP65 ) with transparent cover.
- Hygrostat HGR-21Ka is made in two variants of operations: **HGR-21Ka-a ( humidification )** and **HGR-21Ka-b ( dehumidification )**.

## Operating principle:

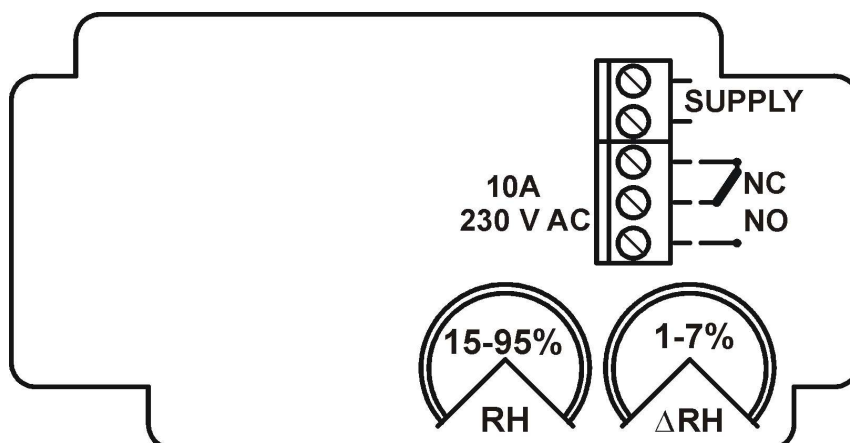
Hygrostats HGR-21Ka series are equipped in two potentiometers designed for adjusting humidity level ( potentiometer RH ) and histeresis control ( potentiometer  $\Delta$ RH ). Range of humidity control is possible from 15% to 95% RH, and hysteresis range from 1 to 7% RH. Relay's ON-OFF work is indicated by red LED.

Hygrostat is made in two working variants – humidification **HGR-21Ka-a** ( relay is ON below adjusted humidity level, red LED is on) and dehumidification **HGR-21Ka-b** ( relay is ON above adjusted humidity level, red LED is on ).

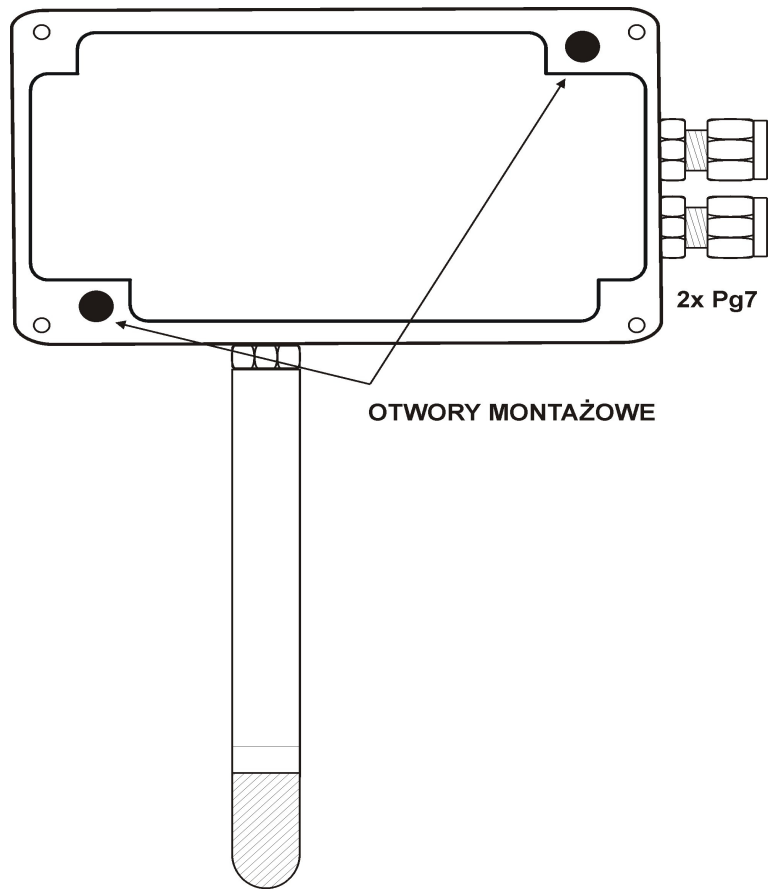
## Technical data:

supply:	230 V AC or (optional)24 V AC/DC
out:	ON-OFF relay 10A/230V AC with NO/NC contacts
humidity range:	15...95% Rh accuracy +/- 5% Rh
hysteresis:	adjusted from 1 to 7% Rh
housing:	polycarbonate / IP65
working humidity:	15-95% RH
working temperature:	-30...+80°C,
storage:	-40...+95°C
dimensions:	115 x 65 x 55mm

## Electrical schema:



## Wall mounting:



## Notes: