

# ART-210

## WIRELESS RADIATOR THERMOSTAT

The **ART-210** is a wireless radiator thermostat designed to control the temperature in closed rooms and thus reduce energy consumption. The thermostat allows remote and manual control of the radiator valve. The **ART-210** is designed to operate as part of the two-way **ABAX 2** wireless system. It is supported by:

- **ACU-220** or **ACU-280** controller (with firmware version 6.08 or newer)\*
- **ARU-200** repeater.
- temperature adjustment in the range from 5 °C to 30 °C
- 3 operating modes
- remote or manual control
- fast heating function (Boost Heat)
- option to close the valve manually
- valve descaling function
- open window detection
- anti-freeze protection
- Child Lock
- built-in temperature sensor (measuring range: -10 °C...+55 °C)
- option of using an external temperature sensor (another **ABAX 2** device)
- LCD display for easier control and configuration
- option to rotate messages on the display by 180 °
- encrypted two-way radio communication in the 868 MHz frequency band (AES standard)
- transmission channel diversity – 4 channels for automatic selection of the one that will enable transmission without interference with other signals in the 868 MHz frequency band
- device firmware updated remotely
- "ECO" option for longer battery life
- battery status control
- installation on valves with the M30x1.5mm threaded connection
- included accessories:
  - adapter for mounting on a Danfoss RA, Danfoss RAV and Danfoss RAVL valves
  - reducer ring for easier installation on valves with smaller diameter



\*The device is not supported by the **ACU-220** / **ACU-280** controller connected to the **VERSA** series control panel.

## TECHNICAL DATA

Battery working time (in years)	up to 2
Enclosure dimensions	ø56 x 97 mm
Operating temperature range	-10 °C...+50 °C
Weight	166 g
Maximum humidity	93±3%
Operating frequency band	868,0 ÷ 868,6 MHz
Battery	2 x LR6 AA 1,5V
Standby current consumption	74 µA
Temperature measurement accuracy	±0,1 °C
Radio communication range (in open area) for ACU-220	up to 1000 m
Radio communication range (in open area) for ACU-280	up to 500 m
Temperature measurement range	-10 °C...+50 °C
Temperature control range	5 °C...30 °C
Temperature control accuracy	±0,5 °C
Low battery notification voltage	2,3 V



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