

## **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
- $\bullet$  option to rotate messages on the display by 180  $^\circ$
- 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
- $\bullet\,$  installation on valves with the M30x1.5mm threaded connection
- included accessories:
  - $\circ\,$  adapter for mounting on a Danfoss RA, Danfoss RAV and Danfoss RAVL valves
  - o 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°C30°C
Temperature control accuracy	±0,5°C
Low battery notification voltage	2,3 V

