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 1,5 V LR6 AA
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