Alpha Smartware Room Control Unit LED

The Alpha Smartware Room Control Unit LED senses the room temperature and humidity in the room and controls the appropriate heating zone via the Alpha Smartware Base Station for floor temperature adjustment. Settings are made via the three touch keys and the display indication. Optionally, the room control unit can also be operated via the Alpha Smart app.

Using the optional connection set with external sensor, additional functions such as floor temperature monitoring, room sensor or dew point monitor connection can be retrofitted in combination with a Alpha Smartware premium base.

1.1   Features

- High-quality, modern and minimalistic OEM design
- Perfect for the use in detached family houses and apartment buildings
- Uses the 868/869 MHz SRD band
- For the implementation of surface heating

- Clear, easy-to-read LED display
- High-quality front panel made of scratch-proof plastics
- Self-explaining, language-neutral operation and user guidance
- Comfortable operation with three touch keys

- Display of room temperature and operating status

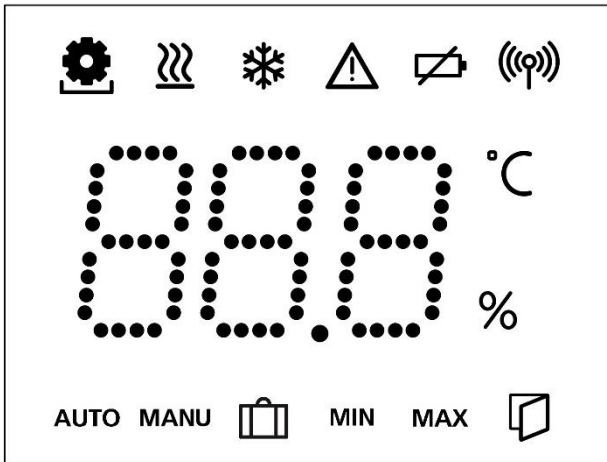## 1.2   Versions and scope of delivery

The Quick Install Guide for installation and commissioning is included in the following 10 languages:

- German
- English
- French

- Dutch
- Italian
- Spanish

- Danish/Norwegian
- Finnish
- Swedish

- Polish

Type designation	Designation	Scope of supply
RLDS 61071-N6	OEM Room Control Unit LED	• Room control unit • Quick Install Guide in 10 languages • 2 x AA battery

1.5   Displays

The Room Control Unit LED features a functional, language-neutral display. The internationally understandable symbols ensure intuitive operation.

Symbol	Description	Symbol	Description
⚙	Parameter setting menu	%	relative humidity
♨	heating active, highest possible measuring temperature overshot	AUTO	automatic mode active
❄	cooling active, lowest possible measuring temperature undershot	MANU	manual mode active
⚠	important note/malfunction	🧳	vacation mode active
🔋	low battery	MIN	minimum temperature specification for external sensor
((•))	connection status	MAX	max. temperature setting for external sensor
°C	temperature	⬗	window open

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2   Technical data

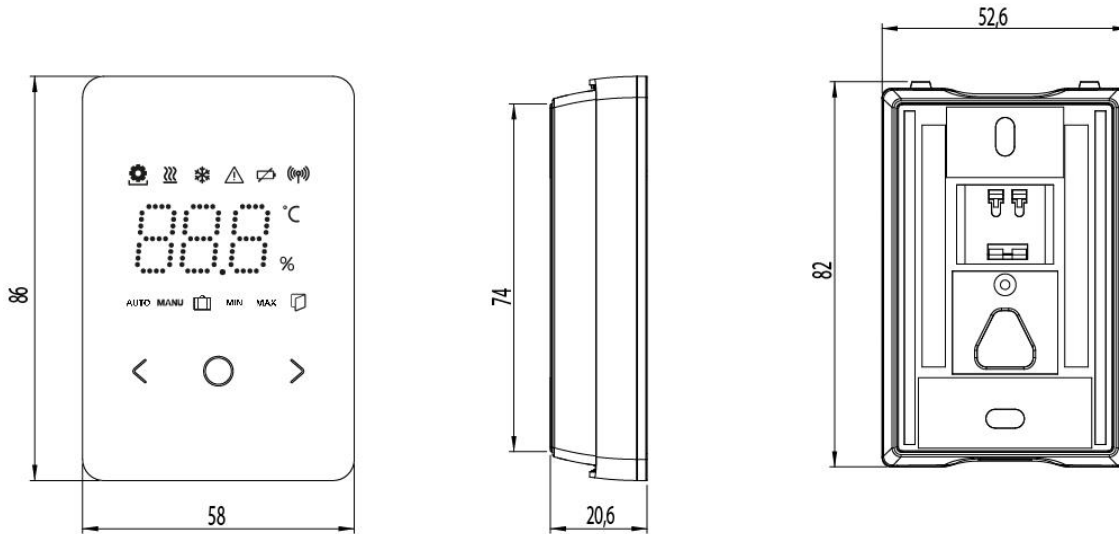| Type designations	RLDS 61071-N6
Voltage supply	2x LR06/AA (mignon) alkaline battery
Typical battery service life	>2 years
Reverse polarity protection	Existing, electronically implemented
Floor sensor	Via connection set (AT 61201-N) if room control unit is paired with Premium Base Station
Room sensor	Via connection set (AT 61201-N) if room control unit is paired with Premium Base Station
External dew point monitor	Via connection set (AT 61201-N) if room control unit is paired with Premium Base Station
Radio technology	868.3 and 869.525 MHz SRD band
Radio protocol	cSP-L
Typical free-field radio range	270 m
Degree of protection	IP20
Admissible ambient temperature	0 °C to 50 °C
Admissible ambient humidity	5 to 80 %, not condensing
Storage/transport temperature	-10 °C to +50 °C
Material	ABS (casing) / acrylic glass (frontpanel)
Colour	RAL9003 (signal white)
Outer dimensions	86 x 58 x 20,6 mm
Weight	183 g
Visible display area	32 × 40 mm
Target temperature setting range	5 to 30°C
Target temperature resolution	0.2 K
Measuring range actual temperature acquisition (internal Sensor)	0 … 40 °C
Measuring accuracy of internal	± 0.5 K
Packaging dimensions	91 × 88 × 57 mm

2.1   Dimensions

Fig. 1: Dimensions of Room Control Unit LED (in mm)
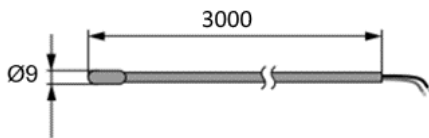

Fig. 2: Dimensions of the external sensor of the connection set (in mm)

2.2   Approvals and certificates

The CE identification documents that the products that the products placed on the market comply with the applicable requirements of the EU Directives.