

OEM 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
- OEM differentiation of appearance and function
- 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
- Optionally with the connection set with external sensor for room sensor, floor temperature monitoring function
- Optionally with external dew point monitor also a dew point monitor function
- Wall installation

The Möhlenhoff OEM product quality ensures easy, intuitive installation, operation and maintenance of the entire system.

1.2 Versions and scope of delivery

In the basic version, the Alpha Smartware Room Control Unit LED will be delivered as neutral device without logo and in white.

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

For more details on the products, system and cloud solutions, visit www.alphasmartware.de.

Type designation	Designation	Scope of supply
RLDS 61071-N6	OEM Room Control Unit LED	<ul style="list-style-type: none"> • Room control unit • Quick Install Guide in 10 languages • 2 x AA battery

1.3 Optional extensions or differentiations to the basic version

Packaging	Individual printing and manufacturing of packaging
Casing	individual colour
Front panel printing	Imprinting of the company logo on the front panel (e.g. logo), the individual type designation and the name of the unit.
Touch keys	Individual adaptation of the colour or the shape

Please contact us if you have further wishes.

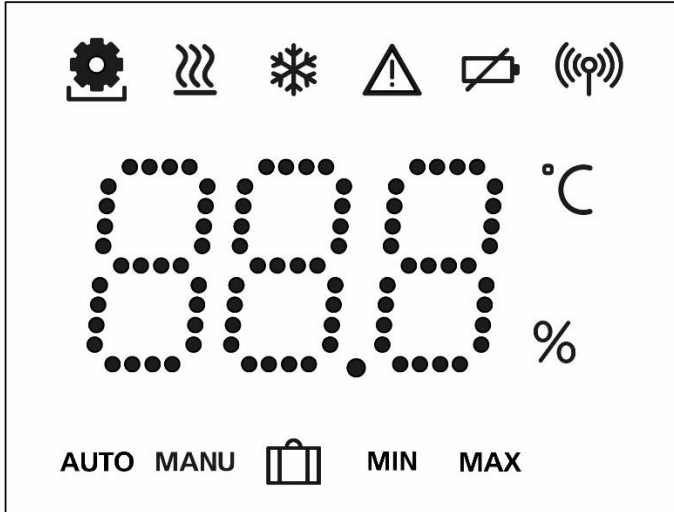
1.4 Accessories










Connection set with external sensor for Alpha Smartware room control unit (AT 61201-N).

Requirement for use: Existing pairing between OEM Alpha Smartware Room Control Unit LED and OEM Alpha Smartware Base Station Premium.

1.5 Displays

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



-  Parameter setting menu
-  heating active, highest possible measuring temperature overshoot
-  cooling active, lowest possible measuring temperature undershoot
-  important note/malfunction
-  low battery
-  connection status
-  relative humidity
- AUTO** automatic mode active
- MANU** manual mode active
-  vacation mode active
- MIN** minimum temperature specification for external sensor
- MAX** maximum temperature setting for external sensor
-  temperature

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 spring-loaded terminal of the connection set (AT 61201-N) and on-site dew point monitor, if room control unit is paired with Premium Base Station.
Radio technology	868.3 and 869.525 MHz SRD band
Max. transmitting power	≤ 25 mW
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 x 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 x 88 x 57 mm

2.1 System boundary

Maximum number of communication members: Within a radius of 50 meters up to 50 Alpha Smartware devices are technically possible, but actually not validated.

2.2 Dimensions

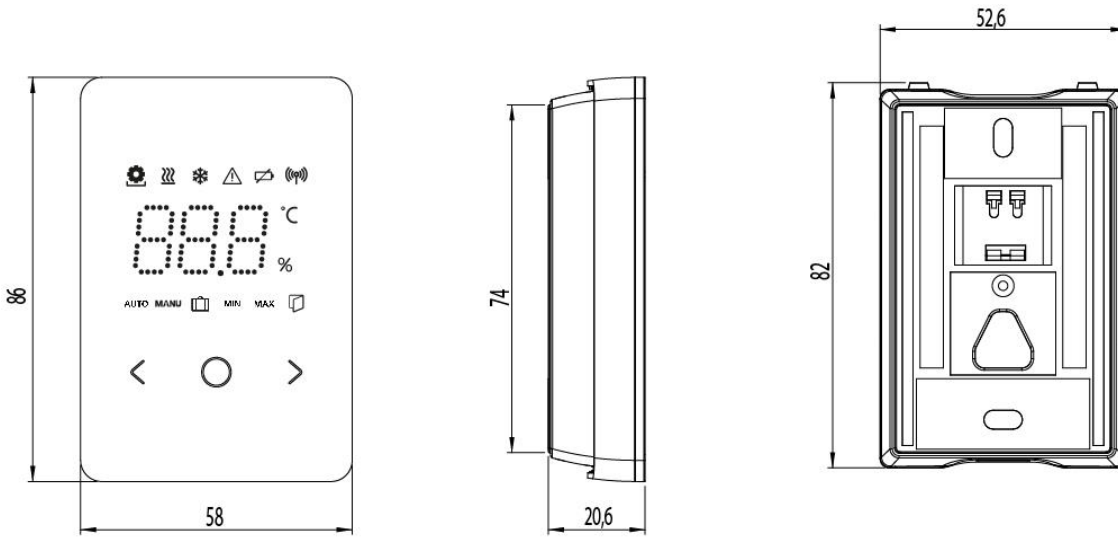


Fig. 1: Dimensions of Room Control Unit LED (in mm)

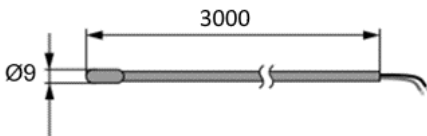


Fig. 2: Dimensions of the external sensor of the connection set (in mm)

2.3 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.