Continuous-action regulator
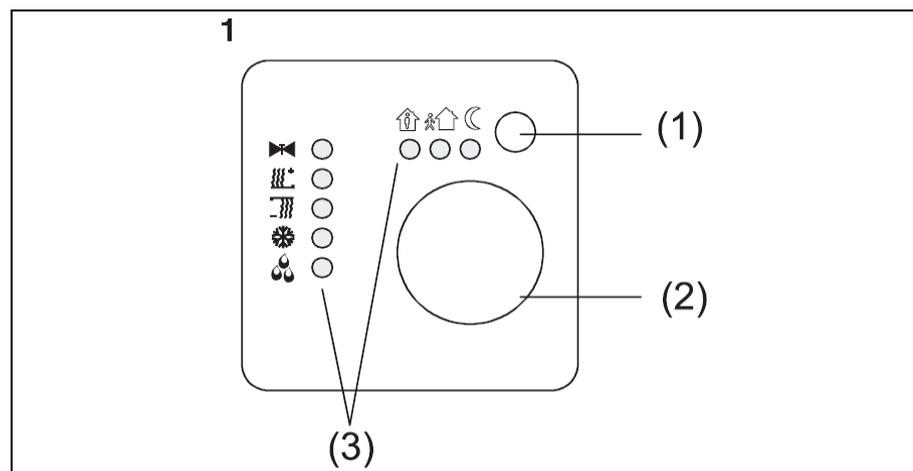

1. Safety instructions

Electrical equipment must be installed and fitted by qualified electricians only.

Failure to observe the instructions may cause damage to the device and result in fire or other hazards.

These operating instructions are part of the product and must be left with the final customer.

2. Device layout (Fig. 1)

(1) Presence button
(2) Adjusting wheel
(3) Status LED

3. Function

System information

This device is a product of the KNX system and complies with KNX directives. Detailed technical knowledge obtained in KNX training courses is a prerequisite to proper understanding.

The functionality of this device depends on the software. Detailed information on software versions and attainable functionality as well as the software itself can be obtained from the manufacturer's product database.

Planning, installation and commissioning of the unit is effected by means of KNX-certified software. The full functionality with KNX commissioning software is available from version ETS3.0d onwards.

The product database, technical descriptions, conversion programs and other utilities are always available in their latest versions in the Internet under www.jung.de.

- **Designated use**

- Single-room temperature regulation in KNX installations.

- Flush-mounted installation in hollow or in solid walls.

Product features

- Measurement of the room temperature and comparison with the temperature reference value)

- Reference value preset by selecting the mode of operation

- Operating modes 'comfort', 'standby', 'night-time','frost/heat protection'

- Heating and cooling

- Heating and cooling at basic and backup levels

- Adjusting wheel zur Sollwert-Korrektur

- Presence button

- Status LED

4. Operation
Operating modes and status LED

The regulator compares the actual room temperature to the preset reference temperature and adjusts heating and cooling installations in accordance with the respective energy requirements. The temperature reference value depends on the respective operating mode and can be varied with the adjusting wheel (Fig. 1, 2). The operating modes and the current regulator status are indicated by means of status LEDs (Fig. 1, 3)

🏠	Comfort mode
🏃🏠	Standby mode
☾	Night-time mode
❄	Frost/heat protection mode
🏠☾	Comfort prolongation mode(night)
🏠❄	Comfort prolongation mode (frost/heat protection)

▶◀ Heating/cooling active indicator

Heating mode indicator

Cooling mode indicator

Controller locked indicator (dew-point mode)

ⓘ The indication of the controller status can last up to 30 s.

Setting the mode of operation

Control elements for setting the operating mode are installed, e.g. touch sensors, control panels, etc.

Activate the desired mode of operation with the corresponding control element.

The new operating mode is indicated by means of status LEDs (Fig. 1, 3).

The reference temperature for the room is set in accordance with the selected operating mode.

Changing the room temperature

To increase the reference temperature:

turn the adjusting wheel clockwise.

To lower the reference temperature: turn the adjusting wheel counter-clockwise.

Activating the comfort prolongation

It is desired to prolong the comfort mode for a certain time beyond the preset automatic switch-over of the operating mode. This can be ensured by the comfort prolongation. The time for which the comfort prolongation mode can be prolonged is limited.

Komfortverlängerung aktivieren

The regulator is in the night-time mode or in the frost/

heat protection mode.

▪ Press the presence button (Fig. 1, 1)

The LEDs 🏠☾ or 🏠✹ are lit up.

The reference temperature of the comfort mode is now active for the pre-programmed time.

After the end of the programmed time span, the originally set night-time or frost/heat protection mode is resumed

ⓘ The comfort prolongation can also be activated

ⓘ automatically, e.g. from a presence detector.

∟ Information for qualified electricians

∟ DANGER!

Electric shock in case of accidental contact with live parts. Electric shocks may
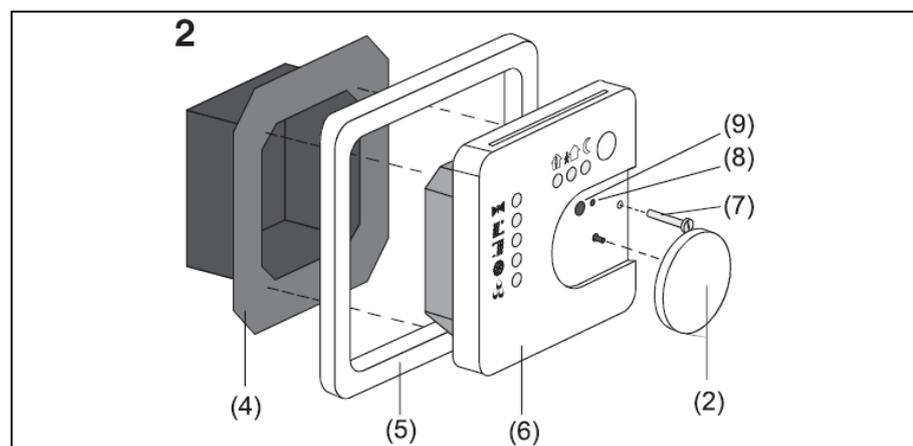
be fatal.
Before working on the device, disconnect
the supply voltage and cover up live parts
in the working environment.

4.1. Fitting and electrical connection
Fitting and connecting the device

The device is composed of a terminal insert with supporting ring and electronic attachment module (Fig. 2).

Do not use the regulator together with other electrical devices in the same combination since the heat produced by these devices may influence the temperature measurement of the regulator.

Do not use the regulator in the vicinity of heat sources such as electric ranges, refrigerators, draughts of air or insolation to avoid wrong temperature measurements.
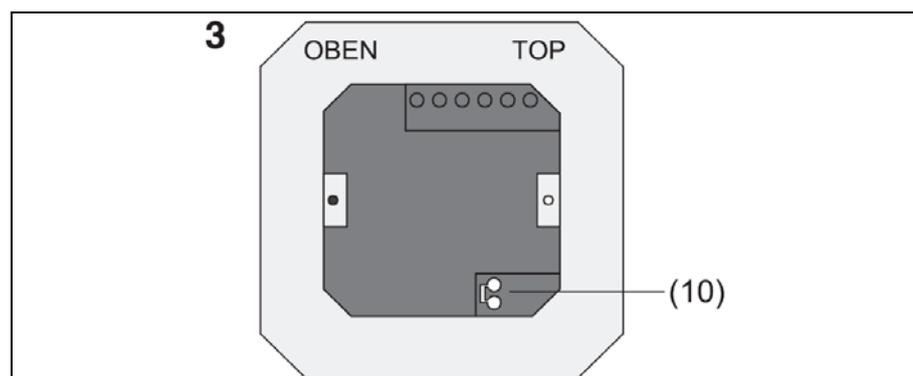

The optimal fitting height is about 1.5 m.

Install the device in a flush-mounting box as per DIN 49073 or in a surface-mounting box.

Recommendation: Use the deep type of box.

- Detach the electronic attachment module (Fig.2, 6) from the terminal insert (Fig.2, 4)..

- Connect the bus line to the terminal insert using the connecting terminals (Fig.3, 10).

- Install the terminal insert (Fig. 2, 4) in the flush-mounting box. Pay attention to the lettering OBEN / TOP.The bus connection (Fig.3, 10) must be at the bottom.

- Place the design frame (Fig.2, 5) on the terminal insert (Fig. 2, 4)..

- Install the electronic attachment module in the correct position on the terminal insert.

- Withdraw the adjusting wheel (Fig. 2, 2).

- Fix the electronic attachment module with the safety screw (Fig.2, 7)..

- Put the adjusting wheel (Fig. 2, 2) back in place on the module.

4.2. Commissioning

Physical address and application software

Use the commissioning software from ETS2 version 1.2 onwards..

- Withdraw the adjusting wheel (Fig. 2, 2).

- Press the programming button (Fig. 2, 9)
  The programming LED (Fig. 2, 8) is illuminated.

- Assign the physical address.
  The programming LED (Fig. 2, 8) is off.

- Note the physical address on the terminal insert and on the back of the electronic attachment module. To do so, perform the installation steps in reverse order.

ⓘ When carrying out painting and paperhanging work make sure the attachment modules are correctly matched with the inserts.

- Put the adjusting wheel (Fig. 2, 2) back in place.

- Download the application software, parameters etc.

Annex

5. Technical data

KNX medium	TP1
Commissioning mode	S mode
KNX supply	21...32 V DC
KNX current rating	max. 10 mA
KNX connection	connecting terminal
Ambient temperature:	-5 °C ...+45 °C
Storage temperature	-25 °C ...+70 °C

Technical specifications subject to change.

6. Guarantee

We accept the guarantee in accordance with the corresponding legal provisions.

Please return the unit postage paid to our central service department giving a brief description of the fault:

ALBRECHT JUNG GMBH & CO. KG
Service-Center
Kupferstr. 17-19
D-44532 Lünen
Service-Line: +(49) 23 55 . 80 65 51
Telefax: +(49) 23 55 . 80 61 89
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KNX equipment

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