Datasheet KTRBUU217.456#09

Articlenumber: UA230003

BACnet room controller, flush-mounted, 230VAC, cover 50x50mm, pearl white, glossy

The alre BACnet single room controller with graphic display has been specially developed for time-dependent heating and cooling operation in 2- or 4-pipe systems. The controller can be used and applied in a wide range of areas, such as hotels, residential, office and commercial premises as well as hospitals and schools. The device has two inputs and three outputs. Two of the outputs switch relays, each of which can address up to 5 valve actuators. The third output is analog (0-10 V) and can be used for EC fan control, for example. One of the two inputs is used for BACnet communication, the other can be configured to connect sensors, e.g. for temperature or dew point. Windows or presence contacts can be connected via BACnet. ?Suitable for all standard switch ranges. The alre BACnet individual room controller is mounted in the flush-mounted box. The housing fits exactly into the design frames of sizes 50 x 50 mm, 55 x 55 mm and 60 x 60 mm from the surface switch ranges of well-known manufacturers such as Berker, Busch-Jaeger, Gira, Jung, Merten, Peha, Hager or Feller (CH). Special colors for projects on request. ?Communication takes place via BACnet in accordance with DIN EN ISO 16484-5 with the BACnet MS/TP network protocol. This makes the room controller compatible with all common building automation systems. The controller complies with the BACnet profile "B-AAC" (BACnet Advanced Application Controller) and is therefore much more than a simple setpoint device. In contrast to other fieldbus interfaces such as LON or KNX, the BACnet interface does not require an additional gateway for implementation and communication with the management level. This saves costs because no service technicians with different qualifications are required to commission the system. A further cost saving compared to distributed solutions is achieved by combining the room operating unit and individual room controller in one device. ?The predefined applications cover a wide range of applications for room temperature control in room automation. ?The BACnet room controller has been awarded the BTL certificate for compliance with the BACnet standard ISO 16484-5, which has been verified by means of a BTL conformity test.

Ambient temperature	0 … 40 °C
Assembly	Basic device with cover
Bearing temperature	–20 … 70 °C
Colour	Pearl white
Connection cross-section	0,75 – 2,5 mm² (Net) / 0,08 – 1,5 mm²
Control range	5 … 40 °C
Cooling control function	Yes

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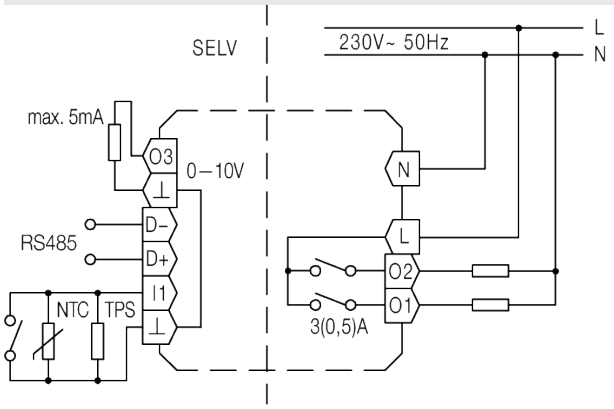
Degree of contamination	2
Design	Berlin UP
Dimensions (W x H x D)	71 mm x 71 mm x 46 mm
Display type	Illuminated, graphic display
Electric connection	Screwed plug-in terminals
Heating control function	Yes
Housing material	Plastic ABS, PC, PMMA
Manual setpoint adjustment	Yes
Material quality	Thermoplast
Max. air humidity (non-condensing)	95 % r.H.
Max. switching current	3 (0,5) A
Max. switching voltage	230 VAC, 50 Hz
Medium	Air
Min. switching voltage	230 VAC, 50 Hz
Mit Vor-Ort-Bedienung	Yes
Montage/Befestigung	Flush mounting (deep socket recommended)
Number of control ranges	2
Number of outputs	3
Operating voltage	230 VAC, 50 Hz
Operation	Touch-sensitive buttons
Other bus systems	BACnet
Output signal	Switching/continuous, 0 … 10 V
Parallel operation possible	Yes
Potential free switching contact	No
Protection class	II, following appropriate mounting
RAL colour number (similar)	1013
Safety and EMC	In accordance with DIN EN 60730
Sensor element	NTC internal, optional NTC external
Surface finish	Gloss
Surface protection	Untreated
Switching contact	2 normally open contacts
Switching differential	Heating/cooling: 0,5 … 1 K

Switching element	2 relays
Switching power	690 W
With bus connection	Yes
With display	Yes
With LED display	No
With protection against theft/dismantling	No



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