PRODUAL
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R102 ROOM CONTROLLER

R102 is a versatile control unit specifically designed for individual room temperature and zone control applications.

The output signals can be changed with jumpers and the controller settings can be changed by using the H202 configuration tool.

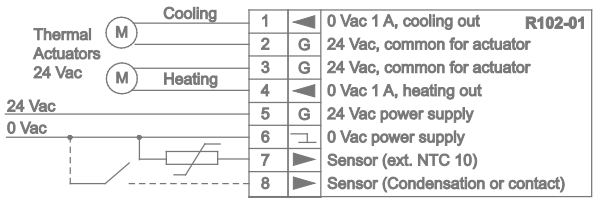
Controller supports 0...10 V controlled actuators and/or thermal actuators and 0…10 V controlled dampers depending on the jumper configuration.

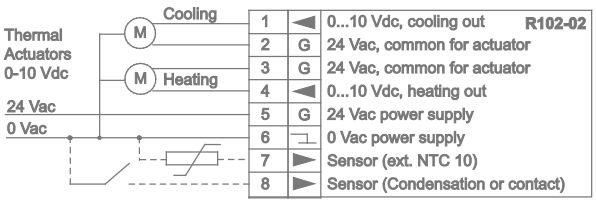
Temperature is detected with an internal or external NTC10 sensor. The controller inputs can be set for external temperature sensor, occupancy sensor or condensation sensor.

The control unit has day, night and save operating modes. The operating modes can be controlled by an external card switch or PIR occupancy detector.

Controller can be used in dry surroundings mounted on the wall surface or on the standard flush mounting boxes (60 mm hole distance).

Wiring:





Technical data:

Supply	24 Vac (22…26 V), < 2 VA
Set point	19…25 °C
Accuracy (measuring inaccuracy)	±0.5 °C
Dead zone	
day mode	1 °C
night mode	4 °C
save mode	8 °C
Proportional band	
heating	1,5 °C
cooling	1 °C
Integration time	20 minutes
Outputs	
R102-01	2 x 24 Vac, 2 A (max 2 A of total load for both)
R102-02	2 x 0…10 Vdc, 10 mA
Inputs	NTC 10 sensor 1 x DI
Operating conditions	
temperature	5…40 °C
humidity	0...85 % rH (non-cond.)
Wiring terminals	1,5 mm²
Housing	ABS plastic, IP20
Dimensions (w x h x d)	77 x 77 x 27 mm

Ordering guide:

Model	Product number	Description
R102-01	1155020	room controller, 24 Vac outputs
R102-02	1155021	room controller, 0…10 V outputs
H202	1155022	configuration tool

Products fullfil the requirements of directives 2006/95/EC and 2004/108/EC and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).

Produal Oy Keltakalliontie 18, 48770 Kotka FINLAND Tel: +358 10 219 9100 / Fax: +358 5 230 9210 info@produal.fi **www.produal.com**