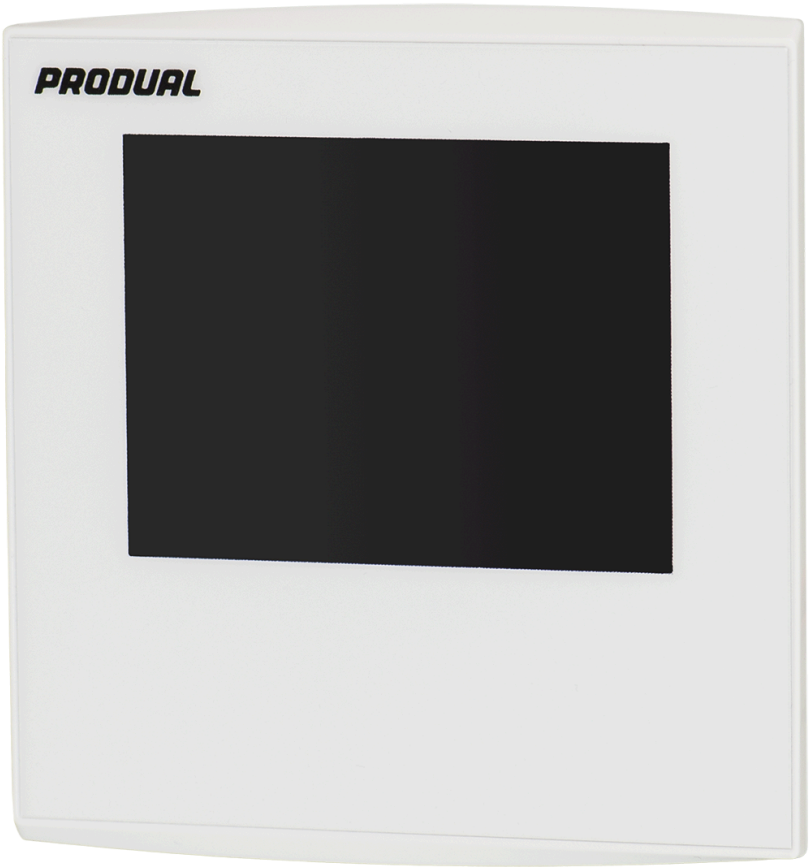
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DATA SHEET

ROU-S

Produal

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ROU - ROOM OPERATING UNIT

ROU is an advanced room unit designed to be used with the middle roof control units. The basic room unit includes temperature measurement. Other measurements like humidity, CO_2 or PIR can be bought as options.

The unit has a 3,5" (320 x 240 px) touch screen colour display. The backlight level is adjustable. Temperature set point, fan speed and occupy information can be changed by using the display buttons.

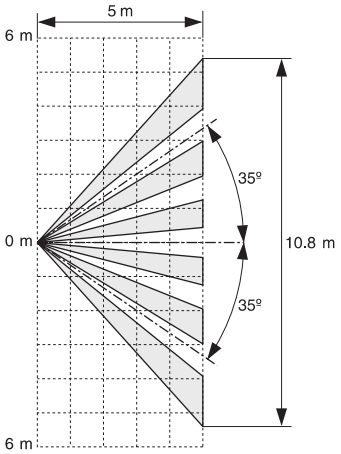


The room operating unit communicates with the control unit via Modbus communication. The cable between the room unit and control unit should be 2 x twisted pair or equivalent.

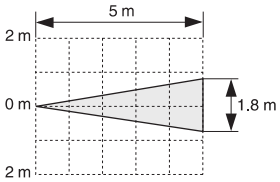
NOTE: The device can work as a master or a slave in Modbus network.

PIR detection coverage (ROU-PIR-opt option)

Horizontal



Vertical





Technical data:

Supply	24 Vac/dc, < 2,5 VA
Temperature measurement	
Range	0…50 °C
Accuracy (25 °C)	±0.5 °C
Humidity measurement (RH option)	
Range	0…100 % rH
Accuracy (25 °C)	typ. ±2 % rH (20…80 % rH) max. ±3 %rH
CO_2 measurement (CO2 option)	
Range	0…2000 ppm
Accuracy (25 °C)	typ. ±40 ppm +3 % from reading (ABCLogic™)
Long term stability / year	< 2 % FS (ABCLogic™)
Time constant	< 2 min
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)	
ROU-S	100 x 105 x 20 mm
ROU-F	100 x 105 x 34 mm

Ordering guide:

Model	Product number	Description
ROU-S	1150380	room operating unit (surface mounting)
ROU-S-B	1150384	room operating unit (surface mounting), black
ROU-F	1150390	room operating unit (flush mounting)
ROU-PIR-opt	1150381	PIR option for ROU-S/ROU-F
ROU-S-CO2-opt	1150382	CO_2 option for ROU-S
ROU-RH-opt	1150383	humidity option for ROU-S/ROU-F

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).

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