minibems® RS04 wired room sensor

Minbems wired room sensor is used for measurement of temperature and humidity. The sensor is used in all building and room types.
The room sensor is maintenance free.

Features

- Works seamlessly with Minibems controllers
- Temperature measuring range: -35 to 70°C
- Measuring accuracy: ±0.3%
- Easy assembly with mounting plate and screw-on cover

For more information, please visit www.minibems.com
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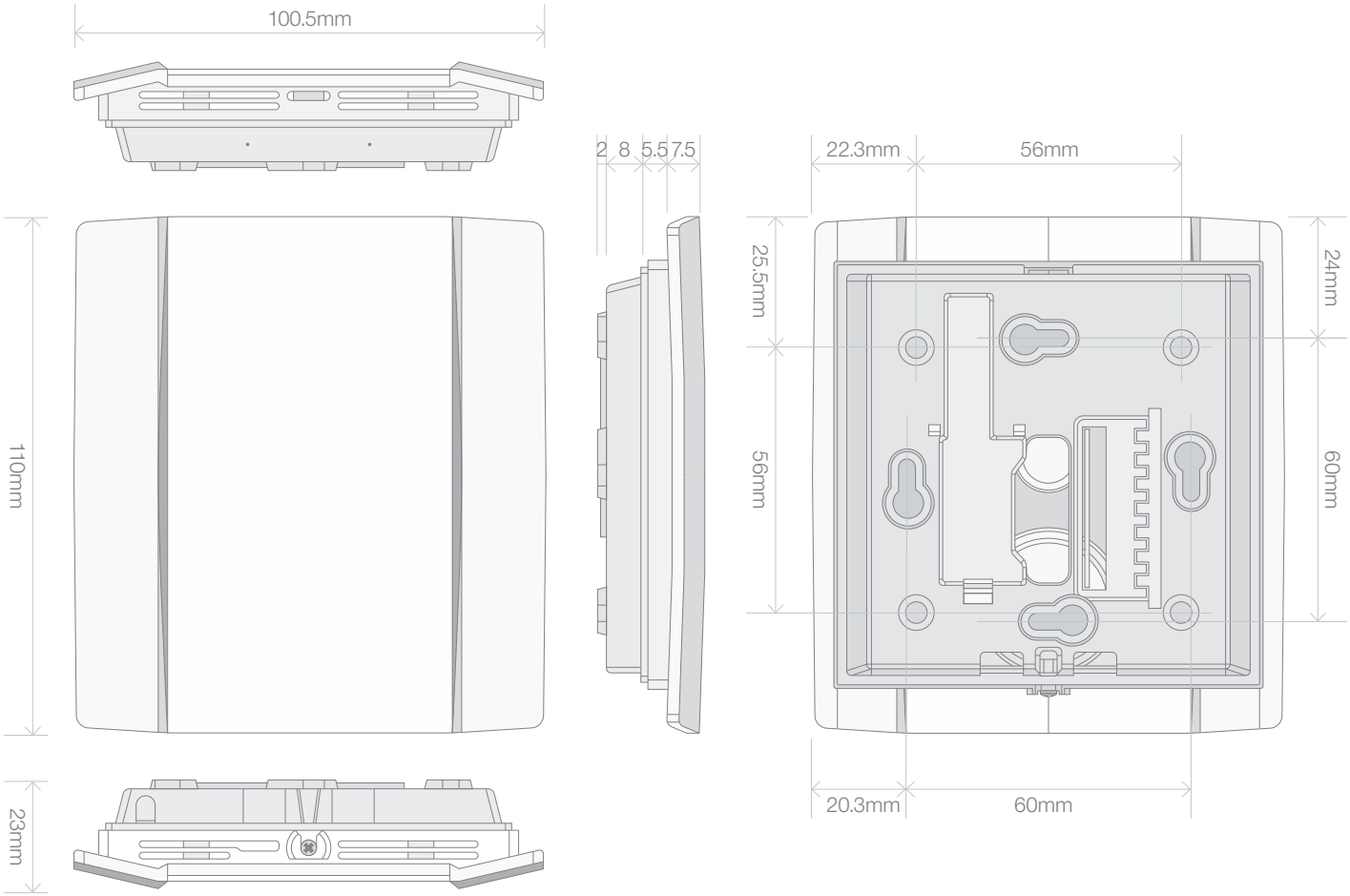
minibems® RS04 wired room sensor specifications



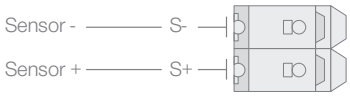
Dimensions	100.5mm x 110mm x 23mm (w x h x d)
Weight	50 grams
Temperature measuring range	-35 to 70°C
Measuring accuracy	±0.3%
Protection	IP20
Cable entry	Opening rear side, predetermined breaking points on underside, pilot holes on top side
Mounting	Surface mounted on flush-mounting box, or flat onto the surface
Electrical connection	Tool-free mountable spring terminal, maximum 1.5 mm^2

minibems® RS04 wired room sensor wiring & mounting

Wiring

The room sensor should be wired using a two-core 0.75-1.5mm flex, depending on the distance to the Minibems controller. The polarity of the wiring is unimportant. Ideally the copper cores should be exposed and terminated using a bootlace ferrule, before pushing into the connector block.

Two sensor



Mounting information

It is recommended that the room sensor is installed at a height of 1.4 metres from the floor, and should not be installed where either extremes of heat or cold exist. It should not be installed directly above a radiator.

It is important, that the mounting plate is completely flush to the wall so that the circulation of air occurs through the vents in the cover. The temperature sensor should not be covered by furniture or similar items. Mounting next to doors (due to draught) or windows (due to colder outside wall) should be avoided.

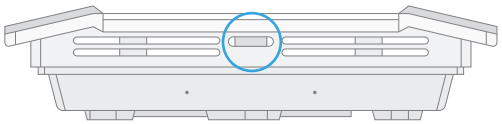
The temperature dynamics of the wall will influence the temperature measurement. Various wall types (brick, concrete, dividing and hollow brickwork) all have different behaviours with regards to thermal variations.

Please make sure that the device is not connected to an electrical source if you want to install it. The installation can be performed on the flat wall surface or on a flush-mounted box. Seal the end of the installation tube.

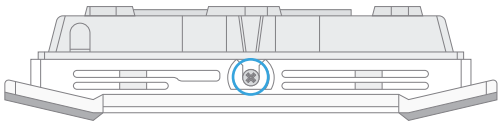
- For wiring, the upper part of the device must be removed from the mounting plate. Mounting plate and upper part are connected to each other by means of locking lugs.
- The attaching of the mounting plate on the flat wall surface is done with rawlplugs and screws.
- Finally, the device is attached to the base plate and fixed with the screw.

Opening & closing the housing

Opening and closing the housing is achieved by snapping the locking lug (shown below) from the top of the mounting plate into the upper part of the housing. The housing can be separated from the mounting plate via pressure onto the locking lug using a flat head screwdriver.

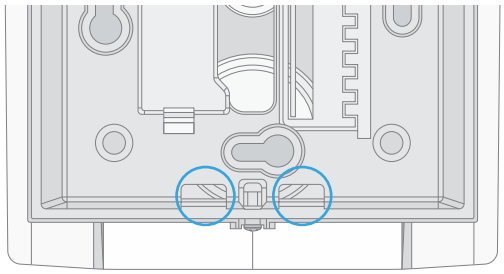


To fix the housing onto the mounting plate, please use the screw provided and secure from the bottom of the mounting plate (as shown below).

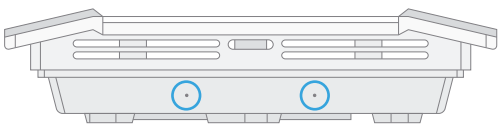


Cable entry

On the mounting plate there are two optional cable entry areas (marked below). Please use a flat head screwdriver to break the predetermined entry points.



On the top of the mounting plate, there is also two pilot holes (shown below) for possible cable entries. Please use a drill (max. diameter of 6mm) to make the hole. When using a drill, ensure that the base plate is firmly clamped. Before drilling, the pressure must be reduced - sudden break-through of the drill bit can be the result.



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