

Quick start OMS wM-Bus indoor temperature- & humidity sensor RelAir ICS (Indoor Climate Sensor)

Important notice

Thank you for buying this Relay product. Please read this manual carefully before you start working with this device.


Disclaimer


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Symbol declaration

 Attention! Reference to a danger.

 Notice. Additional important information.

About the product

- The product is exclusively designed for use in closed, dry interiors and should only be used there.
- We assume no responsibility for Property or personal injuries caused by incorrect use or by not following the safety instructions.

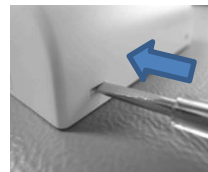
Scope of delivery

Equipment supplied:

- OMS wM-Bus indoor climate sensor with housing and mounting plate
- 2 AA-size alkaline batteries
- Mounting set consisting of 2 dowels (5mm) and 2 screws (3 x 30mm)
- Mounting instruction

Assembly

The RelAir ICS should not be exposed to direct sunlight. Furthermore the sensor should not be mounted on an outside wall, near to an outer door or at a distance of less than 1 m to a heater. The distance from the floor should be at least 1,5m. The device is designed for wall mounting. Before the housing is ready for wall mounting it has to be opened.





The locks at the bottom of the casing must be released one after another. For that a slotted screwdriver is put into the upper part of the opening.



Repeat this process at the second lock. After that the front cover can be lifted from the mounting plate.

The mounting plate is marked with UP and DOWN for the correct orientation. It can now be mounted on the wall with the help of the supplied dowels and screws.

 The screw head may not extend beyond the edge of the mounting plate, otherwise the electronics can be damaged when closing the housing!

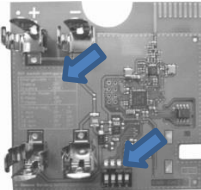
 The long holes arranged in a circle at a distance of 60mm can be used for easy mounting on a flush-mounting or wall mount box.

Removing the printed circuit board



Now the printed circuit board is tilted out of the front cover by pulling at the edge of the semicircular cavity.

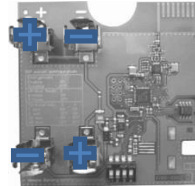
Configuration



Encryption	1	
Enable	ON	
Disable	OFF	
wM-Bus Mode	2	
S-Mode	ON	
T-Mode	OFF	
TX Interval	3	4
1 min	ON	ON
5 min	OFF	ON
10 min	ON	OFF
15 min	OFF	OFF

On the assembly side the desired operating parameters can be set by using the DIP switches. Information to the switch is located on the circuit board. If you enable the encryption for the radio transmission, the telegrams will be encrypted by OMS mode 5. The receiver will need the encryption key to decode the data. Please contact us by email at info@relay.de to request the key.


Insert the batteries



Now the batteries have to be inserted. Please make sure to use the correct polarity as printed on the board. Here standard AA cells with a voltage of 1.5 V are used.

PCB mounting

Thereafter the circuit board with the batteries ahead is placed back into the front cover.

 Attention on the arrangement! On the circuit board and on the label of the front cover it is marked with arrows up.



As a last step, the front cover together with the electronics is clipped on the mounting plate. For that the front cover is hinged to the upper edge of the mounting plate and then pressed firmly.

You can find a detailed technical documentation in the PDF user manual for the RelAir ICS on our website: www.relay.de.