Wireless sensor
Smoke detector FRWB-

Temperature at mounting location:
+4°C up to +38°C.
Storage temperature: -20°C up to +60°C.
Relative humidity:
annual average value <75%.

Wireless smoke detector with wireless emitter module in the base. Ø 86 mm, 48 mm high. With solar cell and battery.

This smoke alarm works according to the photoelectric principle. Fire or smoke detection triggers an intermittent signal tone with approx. 85 dB and a flashing LED. Operation is indicated by a red LED flashing every 48 seconds.

The power supply of the smoke alarm detector is made by an internal, non-interchangeable lithium battery for about 10 years. When the battery is at the end of its life, a short beep sound is produced. Then only the smoke alarm must be replaced.

The power supply for the radio transmitter module is provided by a solar cell if sufficient brightness is present. In the delivery state, the battery is empty and must first be charged in daylight. If the room brightness is not sufficient for operation, a 3,6 V lithium battery 1/2 AA (not included) must be inserted.

The radio transmitter module sends an alarm telegram immediately to the Eltako wireless system. This is also done when the cover is pressed during the function test. As soon as the alarm extinguishes, an alarm-end telegram is sent.

Approx. every 30 minutes a status message is sent.

Installation in bedrooms, living rooms, store rooms, corridors and stairwells. The smoke detector should have a minimum distance of 50 cm from walls. Screw the mounting plate to the mounting surface using the enclosed screws and rawl plugs. Ideally, the solar cell should point towards the window. After teaching-in, fasten the

radio emitter by turning it in the holding base. Finally engage the smoke detector into the wireless holding base by turning the detector clockwise – pay attention to the coding bar.

Do NOT mount the smoke detector at the following places:
- In bathrooms, shower rooms or other rooms which are wet or become full of vapour.
- In kitchens, garages or at fireplaces where vapour, gases or smoke can occur.
- In rooms where the temperature may exceed a range of +4°C to +38°C, or where the non condensing relative air humidity is above 90%.
- In areas which may be contaminated by excessive amounts of dust and dirt.
- Under gables since smokeless air may collect here in case of fire.
- In rooms which are higher than 6 m.

Functional check: Once a month, carry out a functional check and keep at least 50 cm away from the device since the alarm signal is loud!

By pressing the cover of the smoke detector a sound will be emitted and the LED flashes twice red!

Mute function: In case of an accidental or incorrect alarm, the alarm can muted for 10 minutes by pressing the smoke detector cover.

One or more smoke detectors can be taught-in in these actuators: **FL62** and **FSSG-230V**. If an alarm telegram is received, the contact closes immediately. If an alarm-end telegram is received, the contact doesn't open automatically, the alarm must be acknowledged manually via a pushbutton.

If a smoke detector is taught-in in an **FSR14,** the middle rotary switch of the FSR14 must be set to AUTO 2. If an alarm telegram is received, the contact closes immediately. If an alarm-end telegram is received, the contact opens automatically.

If several smoke detectors are taught-in in an **FSR14**, the middle rotary switch must be set to AUTO 4, by this way, all taught-in smoke detectors are linked.

If an alarm telegram is received, the contact closes immediately. The contact opens automatically only if all smoke detectors have sent an alarm-end telegram.

If smoke detectors are taught-in in an **FMZ61,** they are automatically linked.
If an alarm telegram is received, the contact closes immediately. At position 0,5 s: the contact opens automatically if all smoke detectors have sent an alarm-end telegram. At position 1h: the contact doesn't open automatically if all smoke detectors have sent an alarm-end telegram but the alarm must be acknowledged manually via a push-button.

To teach-in this smoke detector in a ready to learn actuator, press the push-button on the wireless module.

Technical data:

Operating temperature	+4°C to +38°C
Storage temperature	-20°C to +60°C
Max. air humidity	90% (non condensing)
Protection class	IP30
approval	EN 14604

The crossed-out waste container indicates that batteries may not be disposed with other household or commercial waste. Batteries can be returned free of charge to the retail outlet after use.

⚠ **Attention: Danger of explosion if battery is replaced improperly. Only replace it by an equivalent type!**

Wireless telegrams according to EEP A5-30-03
ORG = 0x07
Data_byte3 = 0x00
Data_byte2 = Temperature 0..40°C, (255..0)
Data_byte1 = 0x0F = alarm,
          0x1F = no alarm
Data-Byte0 = 0x08
Teach-in telegram: 0xC0182D80.