

Wireless sensor



Smoke alarm FRW-ws

Wireless smoke alarm Detectomat HDv 3000 OS, white, with wireless transmitter module inserted. Only 0.03 mW standby loss of the wireless transmitter module.

This battery-powered smoke alarm is a reliable device that generates an alarm in case of fire by visual detection based on the scattered light principle. Certified to EN 14604:2005 by the VdS (German independent testing institution). Alarm signal produces loud tone at intervals of 0.5 second. Operation indication every 40 seconds by flashing red LED. Fault and battery change display by short alert tone every 40 seconds.

In case of an alarm, the inserted wireless transmitter module transmits an NO contact telegram to the Eltako wireless network. This also takes place when the test button is pressed.

While the alarm sounds, the telegram is repeated every 10 seconds. Power consumption during an alarm is 23µA from a fitted 9V lithium battery that powers the smoke alarm.

As soon as the alarm is cleared, 2 button NC contact telegrams are sent at an interval of 400ms. Every 20 minutes, a button NC contact telegram is sent as status telegram.

If the battery voltage is less than 7.2V, a battery status telegram is sent in addition.

It can be taught into an actuator in the same way as the upper NO contact of a left double-switch rocker.

A single FRW-ws can be taught in actuators FSR12, FSR61, FSR70, FZK12, FZK61 and FZK70.

Several FRW-ws devices can be taught in the FZK actuators. By logic linking, alarm end is only signalled when all FRW-ws devices send no more alarms.

Battery life cycle of 9V lithium approx. 6 years, 9V alkaline approx. 3 years. A lithium battery is contained in the scope of supply.

Teaching-in smoke alarm in actuators or FVS software:

Actuator FSR..: set to 'Teach-in universal button' ('Button on/off'): press test button of the FRW. As soon as the warning tone sounds, release the test button.

After teach-in, set the actuator to the ER (without EW time) function.

Actuator FZK12: set the middle rotary switch to LRN. Press test button of the FRW. As soon as the warning tone sounds, release the test button. After teach-in, set the the middle rotary switch to AUTO 2 and the top and bottom one to 0.

Actuator FZK61: set the bottom rotary switch to 0 and the top one to LRN. Press test button of the FRW. As soon as the warning tone sounds, release the test button. After teach-in, set the top rotary button to 0.