

NICE HSDIS01 - Combustion powder detector

HSDIS01 is a fine combustion powder detector (mist or smoke effect) designed for residential applications. A photodiode detects opacity of the air and signals the alarm directly on site (by means of a buzzer) and also via radio to the control unit. The detection technology used is of the photo-optical type and does not emit any type of harmful radiations. It is suitable to control an area of up to 6 x 6 m; it should be installed on the ceiling at the centre of the area. Smaller rooms that are not square, such as corridors, require the use of more than one detector. Communication is completely via radio with dual band technology; battery operated - 9 V standard. Equipped with LED indicator visible from the outside and buzzer for audible signals

Types of alarm signal:

- **Normal operation (self-diagnosis):** LED flashes briefly every 45 seconds;
- **Alarm status:** the concentration of combustion powders in the environment generates transmission of the alarm signal via radio, continuous flashing of the external LED and continuous sounding of the buzzer.
The alarm status ends when the situation ends;
- **Presence of heavy powders inside the sensor:** short acoustic tone every 45 seconds and flashing of the external LED not synchronised with the acoustic tone.
This alarm status ends once the powder has been removed (this operation must be carried out by the technical **assistance service**);
- **Battery** almost discharged: short acoustic tone every 45 seconds and flashing of the external LED synchronised with the acoustic tone. Replace the battery only when the control unit indicates that the detector has a discharged battery.
. The battery can be replaced by opening the sensor; this does not generate alarms (the detector does not have a tampering sensor)
- **Supervision:** transmission of a signal every 40 minutes to indicate that the system is running.

INSTALLATION:

Caution! - HSDIS01 must be installed in or near the centre of the room to be protected.

01. To install HSDIS01 see fig. 1;
02. Set the control unit to learn HSDIS01 (see control unit instruction manual);
03. Insert the battery (fig. 2) the control unit emits a beep to confirm successful programming;
Caution! (4 beeps indicate that HSDIS01 is already programmed);
04. Close the box

TEST:

The detector is equipped with a test button to verify efficient operation of the detector. Press the button for about 1 second to test the sensor; if it is in good working order the LED should flash, the buzzer should emit acoustic tones and the alarm signal should be transmitted. To guarantee adequate safety levels, the test should be carried out at least once a month.

