



- The smoke detector is used for timely warning against a fire started in residential and commercial buildings.
- Use:
  - autonomous fire detector with internal siren
  - in combination with a switching unit for external signaling (light, appliance, siren)
  - by means of the Smart RF box, detection can be displayed on your smart phone, in the form of a notification; alarms are stored in the history, which is visualized in the application iHC.
- Anti-tamper function: an alarm is triggered if there is an unauthorized interference to detector.
- Power supply: 4x 1.5 V AA batteries, the battery life is around 1 year, thanks to the ability to turn off the LED indicator it is possible to extend up to 3 years.
- "Low Battery" Alerts by double LED flashing or on iHC App.
- The detectors are compatible with switching components marked with the RFIO2 communication protocol and the eLAN-RF system components.
- Communication frequency with bidirectional protocol RFIO.

Technical parameters	RFSD-100	RFSD-101
Power supply:	4x 1.5 V AA batteries	
Low battery indication:	ano	
<b>Detectors</b>		
Smoke detection:	built-in sensor	
Detection:	smoke from burning	
Detection principle:	optical-smoke scanning technology	
Response time:	a few seconds after contact with the smoke	
Temperature measuring:	x	built-in sensor
Range:	x	-25 to 70 °C
Accuracy:	x	± 3 °C
Humidity measuring	x	built-in sensor
Sensitivity:	x	0 to 90 % RH
Accuracy:	x	± 4 %
Light intensity measurement:	x	built-in sensor
Range:	x	0.045 - 188 000 Lx
<b>Setting</b>		
Button SET:	test/setting/signalling	
DIP switch:	position 1 Turn off LED signalling	
<b>Control</b>		
Detection area:	max. 40 m <sup>3</sup>	
Recommended installation height:	max. 4 m	
Acoustic signal:	greater than 85 dB at 3 metres	
Test button:	yes	
Communication protocol:	RFIO	
Frequency:	866–922 MHz (for more information see p. 80)	
Repeater function:	NO	
<b>Other data</b>		
Humidity:	up to 92% relative humidity(RH) / 10% až 85% RH, no condensation or frost	
Working temperature:	0 to +40°C (Pay attention to the operating )	
Storage temperature:	-30 to +70°C	
Operation position:	horizontal (ceiling)/vertical (wall)	
Mounting:	screws	
Protection degree:	IP20	
Colour:	white	
Dimension:	Ø 120 x 36 mm	
Weight:	176 g (without battery)	

#### Funkce

An internal, battery-powered smoke detector combines the timely detection of smouldering and open fires from which smoke escapes. It is equipped with an optical smoke detector for smoke detection. An example of a smouldering fire is a burning cigarette on a couch or bedding, which is a common cause of fires.

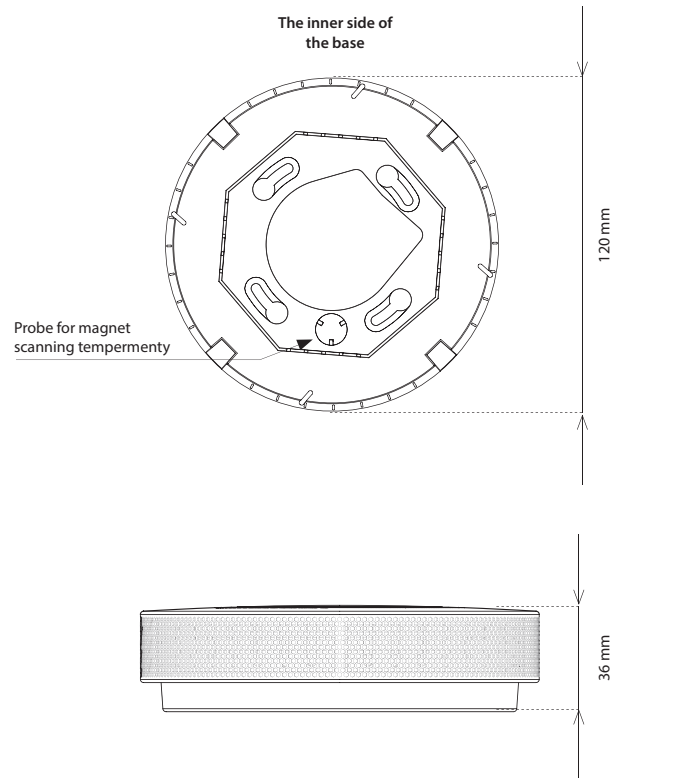
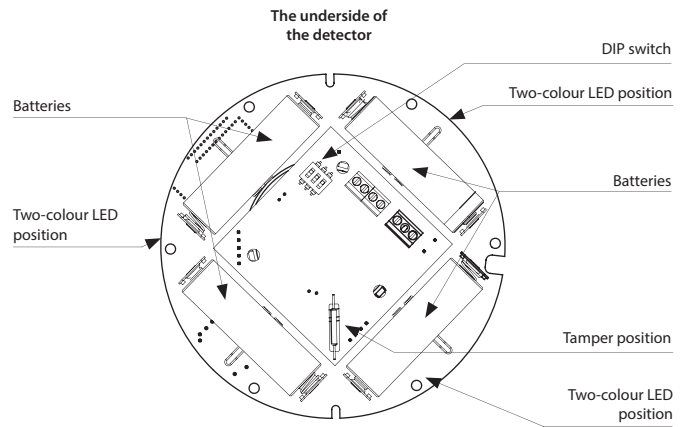
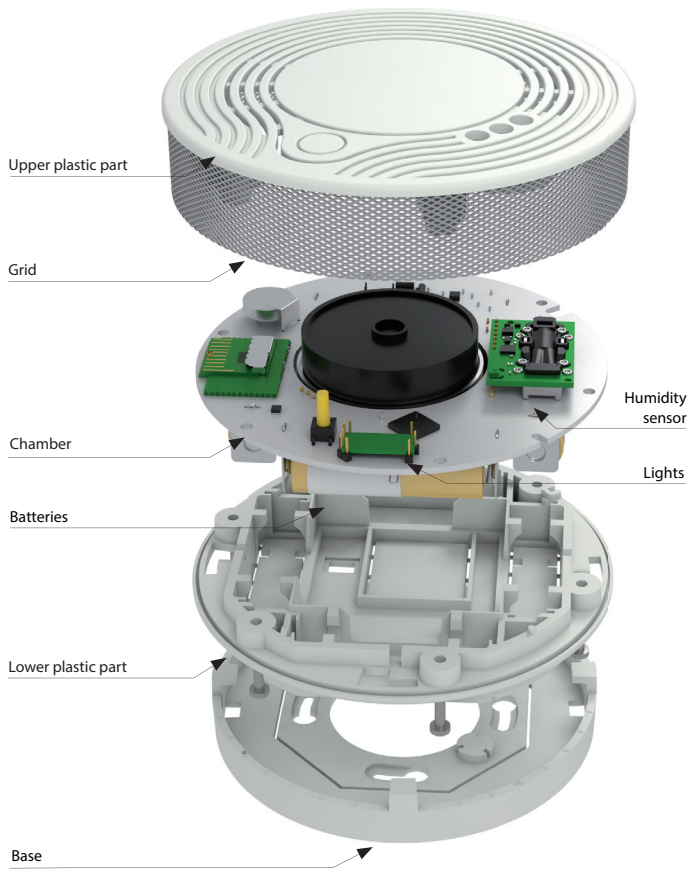
#### Indication and detector states:

After inserting the batteries, the detector sends an introductory message containing the measured temperature, humidity, light intensity, optical-smoke sensor status, and firmware version of the device.

- The detector scans for smoke every 10 seconds, the green LED blinks at the same time (the LED signalling can be switched off by the DIP switch). Every 10 minutes the detector senses temperature, humidity and light intensity. Displays the measured data report at six hourly intervals. In the case of smoke detection or rapid temperature change it is displayed immediately.
- Alarm - the sensor detects smoke, the red LED blinks within 1 second, the detector emits a loud, intermittent „beep“. Terminate the alarm by scattering the smoke. The audible alarm can be switched off by the test button, in the case of positive smoke detection; the audible alarm is restored after 5 minutes.
- Dead battery:
  - sending a message to the server
  - every 50 s 3 times the red LED lights up on the detector.
  - every 7 min the detector beeps.
- Removed from base:
  - sending a message to the server
  - every 3 seconds the red LED lights up on the detector.

Device decay

Description



Assembly

