**RESOL®**
CONTROL TECHNOLOGY

rosenthal design **r**

# Radon FRn radon sensor

The radon sensor measures the radon concentration in residential buildings and calculates an average value over up to one year in its internal memory. This level of radon concentration is displayed by means of LED flashing codes. Additionally, the radon sensor measures the relative humidity and the room temperature.

- Radon concentration measurement
- Annual average value calculation
- Temperature and humidity measurement
- Data transfer via KM2 Communication module or DL2/DL3 Datalogger
- Evaluation and visualisation via VBus.net
- Display of radon concentration by means of LED flashing codes

## TECHNICAL DATA

**Housing:** plastic, PC-ABS and PMMA
**Ingress protection:** IP 20 / EN 60529
**Protection class:** III
**Ambient temperature:** 0 ... 40 °C
**Dimensions:** Ø 139 mm, depth 45 mm
**Mounting:** wall mounting
**Display:** LED
**Maximum altitude:** 2000 m above MSL
**Overvoltage category:** I
**Interface:** VBus® for the connection to a KM2 or DL2/DL3, 1 digital output for the connection to a controller (in preparation)
**Power supply:**
Mains adapter: 100−240 V~, 1A / 12 V⎓, 1 A (Level 6)
Radon sensor: 12 V⎓, 40 mA / 75 mA*
Electrical energy source: ES1
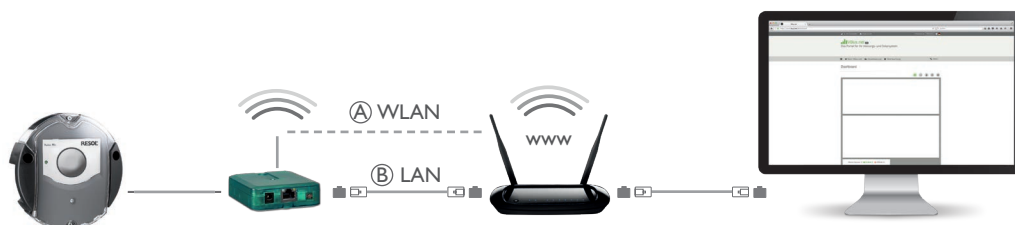Power source: PS1
Thermal energy source: TS1
Mechanical energy source: MS1

* in combination with a KM2, DL2 or DL3

## FLASHING CODES

1 x ☀ up to 100 Bq/m³  2 x ☀ up to 200 Bq/m³  3 x ☀ up to 300 Bq/m³
4 x ☀ up to 400 Bq/m³  5 x ☀ up to 500 Bq/m³  ● over 500 Bq/m³



Ⓐ WLAN
Ⓑ LAN

| Article no. | Article | Price bracket |
|---|---|---|
| 130 004 00 | Radon FRn radon sensor » incl. mains adapter | A |
| 180 012 10 | KM2 Communication module » incl. RESOL service CD, network cable and mains adapter, VBus® cable pre-connected | A |
| 180 007 10 | DL2 Datalogger » incl. SD card and network cable, mains adapter and VBus® cable pre-connected | A |
| 180 009 90 | DL3 Datalogger » incl. SD card, mains adapter, network and VBus® cable | A |