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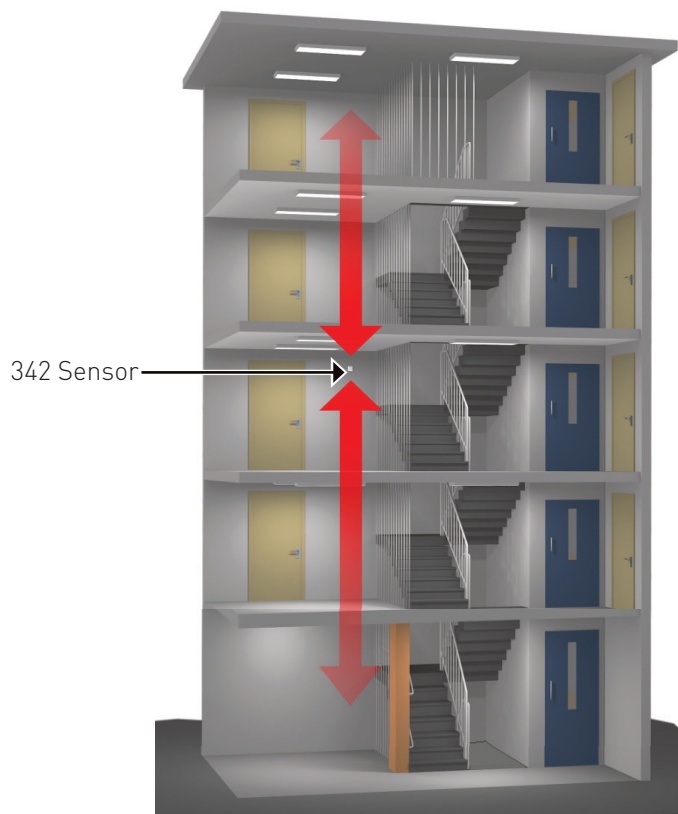
Detection Area and Placement

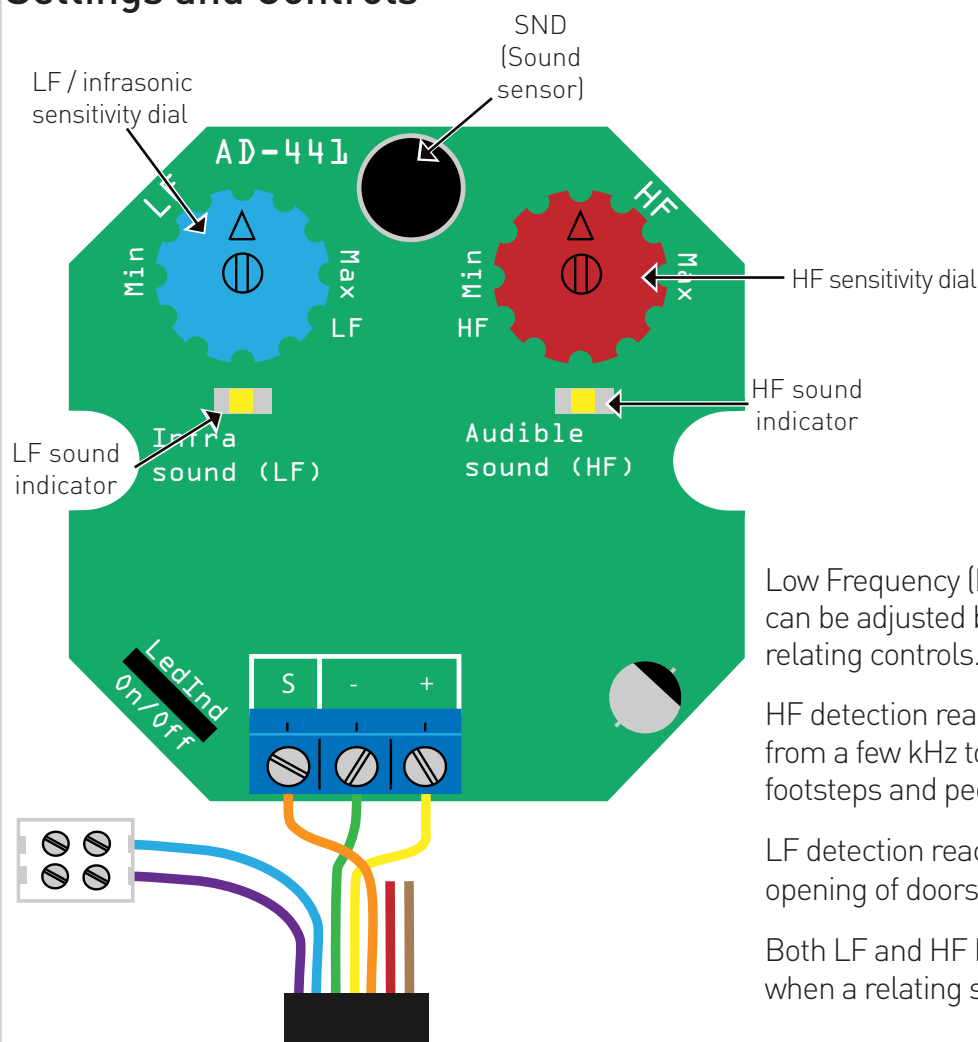
Size detection area of the Extronic AD342 will vary after taking into account the acoustic conditions. The sensor works optimally in open stairwells where access is via doors. Detection is possible in stairwells with between 3 and 5 floors per sensor.

The volume of detected space should not exceed 2000m³. If doubts arise a practical test is a good guide for dimensioning.

Before fitting, ensure the correct number of AD342 sensors are being used. This depends on the size of the space to be covered (see Technical Data section for coverage information).

Each sensor needs to be placed as centrally within the coverage area as possible. Be aware ambient sounds such as metallic roofing or a rotating fan can cause false detection although this can be avoided by decreasing the sensitivity in the sensor settings.





Low Frequency (LF) and High frequency (HF) sensitivity can be adjusted between max and min by using the relating controls.

HF detection reacts to audible sound, such as speech, from a few kHz to 25 kHz. HF also detects noise such as footsteps and people moving.

LF detection reacts to sub-audible sounds such as the opening of doors.

Both LF and HF have LED indicators which will illuminate when a relating sound is indicated by the sensor.

Technical Data

Connections

DALI:	2-way connector block
Wire section:	0.5 mm ² – 1.5 mm ² solid or stranded
Cable rating:	All cables must be mains rated

Electrical Data

DALI supply input:	13 V – 22.5 V
DALI consumption:	15 mA (Max)

Presence detector:	Sound detector for audible and infrasonic sound
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Mechanical data

Max. recommended mounting height:	10 m
Area of coverage:	HF - 25 m radius LF - Approximately 2000 m ²
Dimensions:	84 mm x 84 mm x 58 mm
Material (casing):	UL94V-HB ABS
Finish / Colour:	Semi-matt / White RAL 9003
Weight:	93 g
IP code	IP20

Operating and storage conditions

Ambient temperature:	0 °C to +50 °C
Relative humidity:	Max. 90 %, noncondensing
Storage temperature:	-10 °C to +60 °C

Conformity and standards

EMC emission:	EN 55015
EMC immunity:	EN 61547
Safety:	EN 61347-2-11
Environment:	Complies with WEEE and RoHS directives.

Software compatibility

Designer:	v5.2 or later
Toolbox:	2.2.12 or later

Dimensions (mm)

