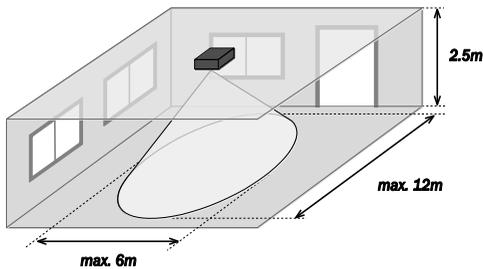Sensor
SR570000 v1.1

General description

Hidden movement detector for installation above false or technical ceilings. It is also possible to install it in brick walls or plasterboard. This device is oriented to substitute the ceiling 360º passive detectors, clearly overcoming their performances.

It is based on radio frequency technology, which allows it to pass through any kind of surface, except the metallic ones. Its hidden installation guarantees safety against non-desired intrusions or vandalism. Moreover, it combines aesthetics and automation in a single installation. It allows a wide and easy parameterization, being suitable for lighting functions, as well as people detection and intruder control.

Detection area at 2,5m height: 12 x 6 m.

Technical information

Power supply	$29V_{DC}$ from KNX bus or auxiliary power supply,
Consumption (depends on the connection)	With auxiliary power supply 18-30 Vdc (Recommended): ▪ 35 mA from auxiliary supply ▪ 1 mA from KNX bus. Without auxiliary power supply: ▪ 35 mA from KNX bus
Connections	4 poles connection screw terminal block (2 for KNX bus and 2 for auxiliary power supply)
Protections	IP20. Safety extra-low voltage SELV, 24V DC
Mounting	Above false ceiling or hidden in walls or bricks
Size / weight	25x45x65mm / 115gr.

Working radio frequency	9.9 GHz
Emission power	5 mW
Environment temperature range	Operation: -10ºC to 55ºC Storage: -30ºC to 60ºC Transportation: -30ºC to 60ºC
Regulation	According to the directives of electromagnetic compatibility and low voltage. EN 50090-2-2 / UNE-EN 61000-6-3:2007 / UNE-EN 61000-6-1:2007 / UNE-EN 61010-1

Installation
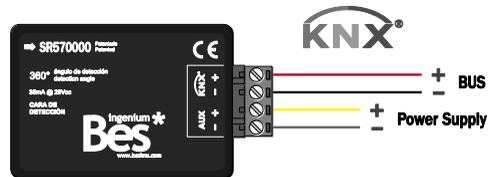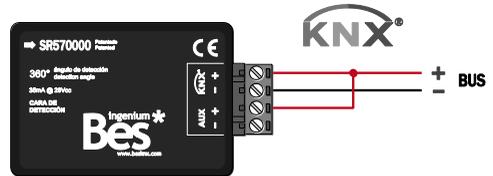
Observations

Install low voltage lines (KNX bus and inputs) in a ducting separated from the power (230V) and outputs lines ducting to ensure there is enough insulation and avoid interferences.

Do not connect the main voltages (230V) or any other external voltages to any point of the KNX bus or inputs.

More information