

24GHz Presence Sensor

Highly precise presence detection based on imperceptible human vital signs, using the 24GHz K-band and the large-beam orthogonal half-wave bending antenna for a 4-6m range.
DALI-2 certified, supporting the DALI book 101, 103, 303 and 304.



Product Range

Product ID	Description
lix.Presence	Radar Presence Sensor

Features

- Highly sensitive sensor (human respiratory is sufficient for detection) with a response time <0.5s
- For in- and outdoor application (up to 50° C), high resistance against humidity, noise, airflow, dust, light and other environmental effects
- Recessed, nearly invisible installation
- Minimal RF radiation, ideal for Health Care application
- Detection range (presence / motion) max 6m, radial detection pattern, adjustable position
- IEC 62386 (DALI 2.0) certified, compliant with Book 101, 103, 303 and 304
- Configuration via DALI or Remote Control (optional accessory)

Specifications

Sensors	24 GHz radar / daylight Sensor
Speed Detection	Moving objects <0.2m/s, minimal imperceptible human vital signs required
Detection Area	Max 5m, radial sensing pattern
Mounting	Recessed or in installation box (optional)
Mounting height	Recommended height: 2.5 to 5 m, ideal 3m
Dimming	Daylight
RF Radiation	Max 3dBm
Supply Voltage	220...240VAC
Power Consumption	<1Watt
Operating Temp	0°C to +50°C
Enclosure	Polycarbonate, RAL9005, IP20
Physical Dim	Diameter: 104 mm / Height: 80 mm
	IEC 62386
Certifications	RoHS
	FCC / RED

Detection Range & Characteristic

