

# MOTION DETECTION SENSOR

*Posted on 01-07-2026 by barpaadminuser*





**MOTION DETECTION SENSOR**

**DESCRIPTION**

The Motion Detection Sensor is used to detect movement within the defined range, using 24,125 GHz radar detection technology. It allows you to adjust the range and direction of the beam for precise door activation.



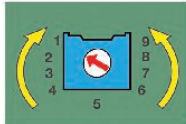
\*BirSens brand product integrated into the ORION solution



**PHYSICAL CHARACTERISTICS**

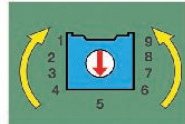
Code	82440204001	
Dimensions (mm)	172x60x48	
Weight (kg)	0,120	
Recommended Installation Height (m)	1,8 - 4,0	
Cable Length (m)	3	
Operating Temperature	-20 - 60°C	
Operating Voltage	12 - 36V DC / 12 - 28V AC	
Operating Current	24V DC, maximum current consumption 32 mA	
Maximum Power	1,3 W	
Protection Class	IP 54	
Radar Signal	Maximum Contact Voltage	48V AC / DC
	Maximum Switching Voltage	120 mA
	Maximum Switching Power	550 mW

**ADJUSTING RADAR RANGE WITH THE POTENTIOMETER**



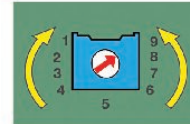
Smallest radar field

Potentiometer Position: 1



Medium radar field

Potentiometer Position: 2 - 8



Largest radar field

Potentiometer Position: 9

**MECHANICAL ADJUSTMENT OF THE RADAR FIELD**

Tilt Angle	Rotation Angle
0° a +45° in 5 steps	-20°C a +20°C in 5 steps

Product developed and manufactured by BirSens. barpa provides this solution as an integral part of the ORION solution, ensuring system integration and customer support.

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