

Alpha IP: Motion detector with twilight sensor – exterior SMO 63001-N1 /SMO 63001-N4

The Alpha IP Motion detector with twilight sensor is suitable for use outside the house. The device detects motion within the coverage area (e. g. of a person or an animal) and thanks to a twilight sensor also the ambient brightness.

You can use this powerful motion sensor e. g. for illumination control or in security applications. In conjunction with other Alpha IP devices, the motion control can switch lighting systems or generate alarms. Short-termed brightness variations are filtered out, preventing an unintended reaction of the motion sensor.

Thanks to a detection range of up to 12 metres, a detection angle of approx. 90° and the option to rotate the device variably in an angle of 360°, the detection range can be optimally adjusted to the local circumstances. The motion sensor is equipped with a wall mounting, allowing a flexible installation.



1.1 Product characteristics

- Alpha IP motion detector with twilight sensor — exterior. Detects movements and ambient brightness
- Detection range of up to 12 m, coverage angle approx. 90°, with 360° rotation
- Can be tailored to your needs thanks to its adjustable twilight values and ability to differentiate levels of brightness during dusk, as well as between sunshine and cloudy conditions
- Battery operated with no cabling necessary, allowing it to be installed in any location on a wall
- Short-term variations in brightness are automatically filtered out
- Suitable for indoor and outdoor use: ideal for monitoring garages or tool sheds for use in ambient temperatures between -20 and +55°C
- The position of the lens is fully adjustable both vertically and horizontally, helping to avoid accidental triggering caused by pets

1.2 Scope of supply

- Alpha IP Motion detector with twilight sensor – exterior
- 2 x Chipboard screw 3.0 x 30 mm
- 2x Dowel 5 mm
- 2 x 1.5 V LR6/Mignon/AA batteries
- Operating instructions

2 Technical data

Supply voltage	2 x 1.5 V LR6/Mignon/AA
Power consumption	40 mA max.
Battery service life	3 years (typ.)
Protection type	IP44
Ambient temperature	-20 to +55 °C
Dimensions (W x H x D)	76 x 74 x 90 mm
Weight	170 g (including battery)
Radio frequency	868.3 MHz/869.525 MHz
Typical radio free-field range	230 m
Duty Cycle	< 1 % pro h / < 10 % pro h
Receiver category	SRD category 2
Packaging dimensions	122 x 112 x 97 mm
Packaging weight	288 g
Housing color	SMO 63001-N1: white SMO 63001-N4: anthracite