

# Duplex Motion Detector

Art.-Nr. BW8020

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The Duplex motion detector sensor is a passive infrared motion sensor (PIR motion sensor) with two PIR sensors. It reacts to all types of heat movement and reports this to the alarm center. The two PIR elements ensure a high level of protection against false alarms. The reason: An alarm is not triggered until both sensors register movement. The best place to install the sensor is in a corner, between 2 and 3 metres above the floor. The intruder's possible direction of movement should be at right-angles to the sensor. Do not install the motion sensor near to electric cables, gas lines, or electronic equipment that generate heat during long periods of operation. The viewing angle of the Duplex motion detector sensor is 90 degrees, and the detection range - depending on installation height - up to 15 x 15 meters. You can vary its sensitivity by means of a jumper. In this way, you can define the number of pulses that have to be detected before the sensor opens the alarm relay. The Duplex motion detector sensor has an alarm memory. If the alarm center is disarmed following an alarm, the LED on the sensor that triggered the alarm lights up. Depending on the configuration, you can also see which sensor first triggered the alarm. On this sensor, the LED flashes.

## Technologies

- Passive infrared motion detector for indoor areas
- Detects heat movements
- Two logical AND-gated PIR sensors

## Technical data - Duplex Motion Detector

Adjustable sensitivity	Yes
Alarm memory	Yes
Anti-creep protection	Yes
Connections	NC, 50 mA, 24 V DC
DC voltage supply	9-16 V
Detector coverage area (m)	15 m
Dimensions	(WxHxD) 60x107x48 mm

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## Technical data - Duplex Motion Detector

Display	Yes
Height	107 mm
Housing material	ABS
Installation location	Wall
Installation type	surface mounting
Length	48 mm
Max. operating temperature	55 °C
Net weight	0,09 kg
Power consumption	11 mA
Pulse selector switch	Yes
Sabotage monitoring	1
Sensor type	2xdual PIR
Status display	Yes
Type of detection	Heat detection
White-light filter	Yes
Width	60 mm