# TALIS MW 180-12-1 – TECHNICAL DATA

Description of the device

The motion sensor uses passive infrared sensors (PIR sensors). It reacts to thermal changes within its field of detection such as people walking by and turns on for an adjustable length of time depending on the set light level of the connected consumer.

Intended use

- The primary purpose of the device is to provide illumination when movement is recognized.
- The motion sensor can be used either in rooms or outside in areas such as driveways, staircases, parking lots, entrances to buildings, foyers, hallways, walkways, underground garages, cellars, etc.
- The unit can be mounted on walls.

Adjusting knobs
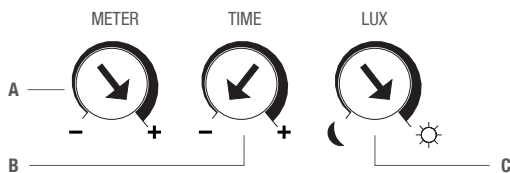
A   Detection range METER
Use the "METER" knob to adjust the range of the motion detector.
- Adjustable up to "−" (smallest detection range) up to "+" (largest detection range up to 12 m)

B   Delay TIME
Use the "TIME" knob to set the length of time after which the light turns off after having detected movement.
- Adjustable from "−" (approximately 5 seconds) to "+" (approximately 12 minutes)

C   Light level LUX
Use the "LUX" knob to set the level of ambient light at which motion detector light turns on.
- Can be set from "☾" (approx. 5 Lux) up to "☼" (∞ Lux)

Settings

Auto Mode

The motion detector automatically turns the light ON or OFF depending on the set delay, the ambient light level and the detection range.

Walk test

In walk test mode, you can check if the range of the motion detector extends as far as desired.
Once motion is detected, the light turns on for about 5 seconds. If you are still in the range of detection after 5 seconds, the light remains on for another 5 seconds.

Set the detection range:
1. Turn the TIME knob to "−", the LUX knob to "☼" and the METER knob to „+".
2. Set the motion detector to the desired detection range.
3. Turn on the device.
   ▷ The motion detector runs a self-test cycle for about one minute.

4. Walk into the detection range until the light turns on.
5. If necessary, readjust the sensor head.
6. Adjust the detection range (**A**).
7. Adjust the delay (**B**).
8. Adjust the ambient light level (**C**).
9. Repeat steps 4 to 8 until the desired detection range is set.

Adjust the lens cover/detection range

You can restrict the detection range using the delivered lens cover.
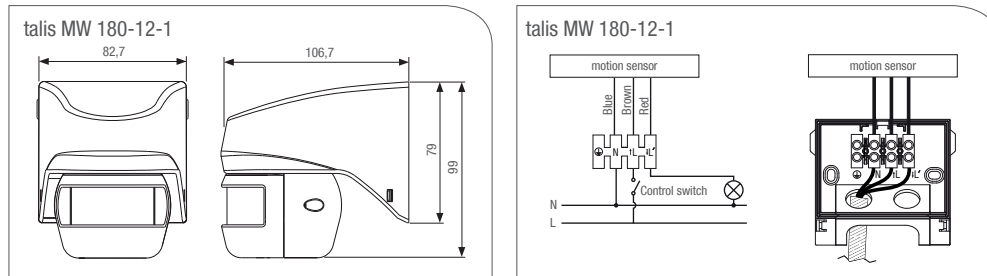Use the individual segments to set the range and detection angle.

Application

talis MW 180-12-1 is recommended to be used in combination with:
• Light

Dimensional drawings / circuit diagrams

talis MW 180-12-1

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Technical data

	talis MW 180-12-1
Dimensions H x W x D (mm)	99 x 82.7 x 106.7
Supply voltage	230 V ± 10% / 50-60 Hz
Switching capacity – Incandescent lamp load – Halogen lamp load (AC) – Fluorescent lamp load – LED lamp	max. 1000 W (4,34A cos φ =1) max. 500 W max. 200 W (non-compensated) (4,34A cos φ =1) max. 150 W
Energy consumption at 230V~ AC	< 1 W
Parallel connection	max. 6 units
Detection range	180°
Range	12 m at an installation height 2 m (at 20-25°C)
Detector head adjustment	Left / Right: 90° Down 45°
Time setting	5 sec. to 12 min.
Light level	5 Lux (☾) - ∞ Lux (☀)
Ambient temperature	-25°C ... + 45°C
Type of mounting	Outdoor surface wall
Class of protection (EN60730-1)	II
Degree of protection (EN60529)	IP 54
Presentation color	White RAL 9016
According to	2006/95/CE (LVD) 2004/108/CE (EMC)
Safety standards	EN60669-1, EN60669-2-1 ,EN55015, EN61547, EN61000-3-2, EN61000-3-3