# TALIS MS 360-7-1 – TECHNICAL DATA

## Description of the device

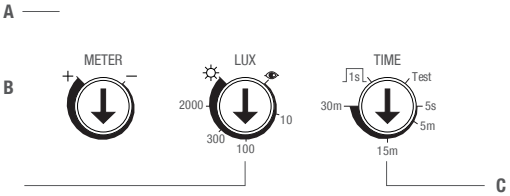
The motion sensor uses passive infrared sensors (PIR sensors). It reacts to thermal changes within its field of detection such as people walking by and turns on for an adjustable length of time depending on the set light level of the connected consumer.

The motion detector comes with two lens covers which can be used to restrict the detection range.

## Intended use

- The primary purpose of the device is to provide illumination when movement is recognized.
- The motion sensor can be used in areas inside of buildings such as offices, conference rooms, stairwells, entrances to buildings, foyers, hallways, corridors, cellars, etc.
- The unit can be mounted on celing.

## Adjusting knobs




**A** **Detection range METER**
Use the "METER" knob to adjust the range of the motion detector.
- Adjustable from "–" (approximately 2 m in diameter) to "+" (approximately 7 m in diameter)

**B** **Light level LUX**
Use the "LUX" knob to set the level of ambient light at which consumer turns on.
- Adjustable from approximately 10 Lux to "☼" (∞)
- 👁 = "training": The current light level (10 - 2000 Lux) can be saved.

**C** **On TIME**
Use the "TIME" knob to set the length of time after which the consumer turns off after motion is detected.
- Adjustable from approximately 5 sec. to 30 min.
- "Test": Test mode (walking test); the consumer and LED turn on for 2 seconds and off for 2 seconds
- "⎍1s⎍": Pulse mode for controlling a staircase timed light switch; the staircase timed light switch trips and turns on the connectedconsumer depending on the set time of the staircase time light switch.

## Settings

### Automatic mode

- The motion detector automatically turns the consumer on when motion is detected and the ambient light falls below the set level. When no further motion is detected and the delay has expired, the motion detector automatically turns the consumer off.

- To prevent the motion detector from turning on and off undesirably due to sudden changes in brightness, the motion detector is triggered at a delay.

**The ambient light switches from light to dark:**
If motion detector detects motion and the ambient light falls below the set value for 10 seconds, the motion detector switches on the consumer for the set period.

**The ambient light switches from dark to light:**
If the ambient light exceeds the set level continuously for more than five minutes, there are two reactions after the set on period:

- Set on period of ≥ 5 minutes:
  The motion detector turns the consumer off after another 5 minutes.
- Set on period of more than 5 minutes:
  If no movement is detected within five minutes, the motion detector turns the consumer off after the set on period is over. If motion is detected within five minutes, the motion detector turns the consumer off five minutes after the motion has been detected.

### Control using an external button

The motion detector can be connected to an external button to manually turn the consumer on or off.
If the motion detector (consumer) is turned off, it can be turned on manually by pressing the external button (for 1 second). This deactivates the set ambient light level. The consumer remains turned on while the motion detector detects movement. When no further motion is detected and the delay has expired, the motion detector automatically turns the consumer off.

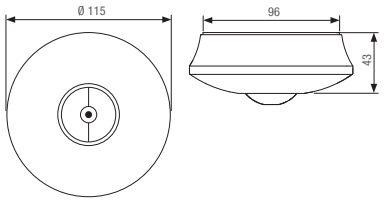
## Application

talis MS 360-7-1 is recommended to be used in combination with:

- Light

## Dimensional drawings / circuit diagrams

talis MS 360-7-1

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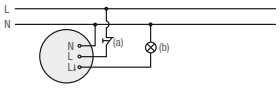
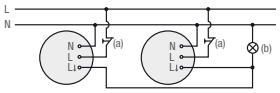



A consumer is controlled by a motion detector.

(a) = button (N.C. type), (b) = consumer (light)




A consumer is controlled by two motion sensors in order to enlarge the detection range.

(a) = button (N.C. type), (b) = consumer (light)

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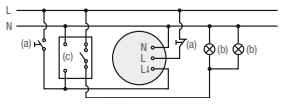
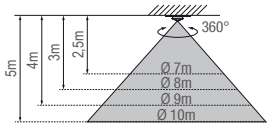



The consumer is turned on either by a motion sensor or a timed stair light switch.
The „TIME“ knob needs to be set at .

(a) = button (N.C. type), (b) = consumer (light),
(c) = stair timed light switch

## Technical data

| | talis MS 360-7-1 |
|---|---|
| Dimensions H x W x D (mm) | Ø 115 x 43 |
| Supply voltage | 230 V ± 10% / 50-60 Hz |
| Switching capacity<br>– Incandescent lamp load<br>– Halogen lamp load (AC)<br>– Halogen lamp load (LV)<br><br>– Fluorescent lamp load<br><br><br><br>– LED lamp<br>– Energy-saving lamp | <br>max. 2000 W (8,7A cos φ =1)<br>max. 1000 W<br>max. 1000 VA / 600 W (traditional)<br>max. 1000 VA / 900 W (electronic)<br>max. 900 VA / 100 µF<br>25 x (1 x 18 W); 12 x (2 x 18 W);<br>15 x (1 x 36 W); 7 x (2 x 36 W);<br>10 x (1 x 58 W); 5 x (2 x 58 W)<br>max. 400 W<br>– max. 600 VA / 400 W<br>(incl. CFL and PL lamp) |
| Energy consumption at 230V~ AC | < 1 W (in standby mode) |
| Parallel connection | max. 6 units |
| Detection range | 360° |
| Range | 7 m at an installation height of 2.5 m (at 20-25ºC)<br>  |
| Time setting | 5 sec. to 30 min.; 1s |
| Light level | 10 ( ) - ∞ ( ) Lux;<br>= „teach“ |
| Ambient temperature | 0°C ... + 45°C |

| | talis MS 360-7-1 |
|---|---|
| Type of mounting | Indoors ceiling surface<br> |
| Class of protection (EN60730-1) | II |
| Degree of protection (EN60529) | IP 40 |
| Presentation color | White RAL9016 |
| According to | 2006/95/CE (LVD)<br>2004/108/CE (EMC) |
| Safety standards | EN60669-1, EN60669-2-1,<br>EN55015, EN61547, EN61000-3-2,<br>EN61000-3-3 |