

# TECHNICAL DATA

<b>Output:</b>	
Operating voltage	230 V +/-10%, 50 Hz
Switching capacity	max. 800 W (incandescent lamps), max. 500 VA (fluorescent lamps/LED), 400 A / 200 µs inrush current or max.10 electronic ballasts
Stand-by-power	< 1.3 W
Interfaces	3-pole pluggable clamp terminal (N, L, L') for 1.5 mm <sup>2</sup> conductors
<b>Sensor:</b>	
Sensor principle	HF motion detector
Frequency range	5.8 GHz +/- 75 MHz
Radiated power	< 5 mW
<b>Detection field:</b>	
Range	up to 16 m frontal length (depending on the diffuser) and 14 m diameter at 1.8 m (wall-mounted) or 2.6 m (ceiling-mounted)
Detection angle	Approx. 120° (depending on the cover)
Detection triggering speed	0.3 . . . 3 m/s (1 . . . 10 km/h)
<b>Adjustable functions:</b>	
Sensitivity steps	20 / 30 / 50 / 75 / 100 %
Dwell time steps	10 / 60 / 180 / 300 / 600 / 900 / 1,800 s
Brightness steps	Daylight / 300 Lux / 150 Lux / twilight / darkness / programm mode (teach-in)
Settings by delivery	Sensitivity: 75% Dwell time: 10 s Twilight level: daylight
<b>Operating conditions:</b>	
Mounting height	max. 2.70 m (wall mounting), max. 4.00 m (ceiling mounting)
Operating temperature	-20 ... +70°C
Index of protection	IP 20 ( mounting inside a luminaire)

# MOUNTING

AUTOLIGHT has a three-way connection terminal:

- N neutral conductor / 230 VAC
- L mains lead conductor / 230 VAC
- L' switched lead conductor / 230 VAC

The device must be connected as shown in the following diagram:

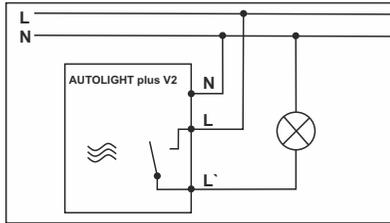


Figure 1: Electrical connection

The module must be fitted flat on the base plate of the lighting fixture, so as to permit the detection field to lie at right angles to the base plate.

Any metal parts in front or to the side of the sensor can change the size and shape of the detection field.

The module should not be fitted directly adjacent to the light source (max.operating temperature 70° C). Best position is under the incandescent lamp / fluorescent lamp / LED.

The module should be protected from vibrations during operation.

The brightness sensor should not be directly covered.

In case of discharge lamps a minimum distance of at least 5 cm must be maintained between AUTOLIGHT and the light source.

AUTOLIGHT can be affixed with screws.

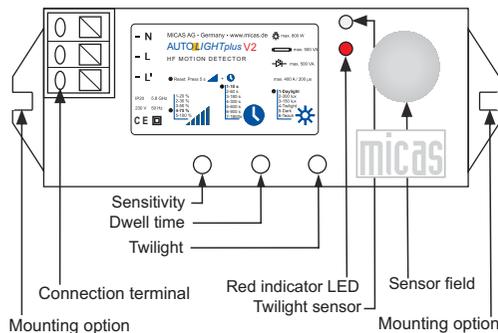


Figure 2: Description of the device

# INSTRUCTION

09-3003.042-EN  
46-2018



HF-motion detector AUTOLIGHT plus V2

IP20



230V / 50 Hz

! Hand over this instruction  
to the competent maintenance staff!

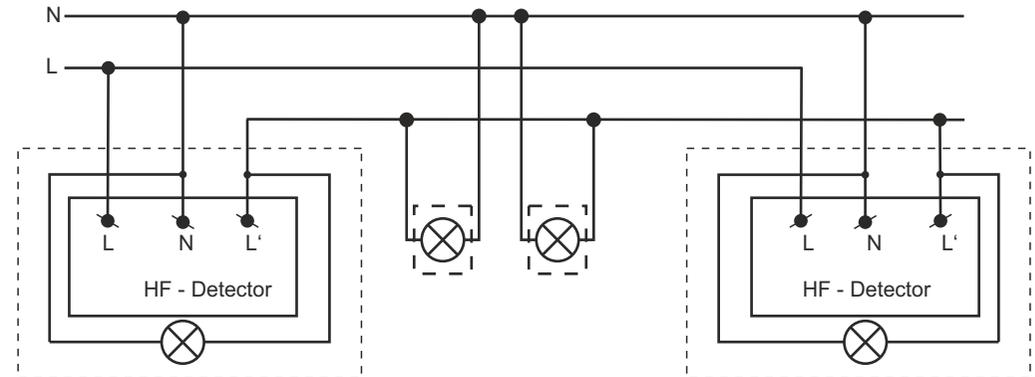


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The circuit **Master - Slave - Master** is permissible!

Please pay attention to maximum connection power!

# FUNCTIONS

## DETECTION

When the device detects movements within the detection field, the electric consumer is automatically switched on for a defined dwell time.

The maximum range (unconcealed mounting) frontally to the wall mounting is up to 16m.

If mounted concealed in light fittings, etc, the range of the detection field will vary.

The range and sensitivity are adjustable in predefined steps.

## DAYLIGHT SENSOR

AUTOLIGHT is fitted with a daylight sensor which can be adjusted using the following steps:

- „Daylight“ : The consumer can be triggered at any time, even in daylight.
- „300 Lux“ : The consumer can be triggered when the ambient is less than approx. 300 Lux.
- „150 Lux“ : The consumer can be triggered when the ambient is less than approx. 150 Lux.
- „Twilight“ : The consumer can be triggered only at twilight of less than approx. 50 Lux.
- „Darkness“ : The consumer can be triggered only in darkness (less than approx. 5 Lux)
- „Teach-in“ : The sensor switch-on value is calibrated for the consumer as the current brightness or less.

# SETTINGS

AUTOLIGHT is fitted with 3 buttons to adjust the following functions:

- 1.Sensitivity or Range
- 2.Dwell time
- 3.Twilight

## FACTORY SETTINGS

**AUTOLIGHT has the following factory settings:**

- Sensitivity / Range 75 %
- Dwell time 10 s
- Twilight level: daylight

All settings are retained even after loss of power.

By simultaneous pressing of „Sensitivity“ (  ) and „Dwell time“ (  ) for 5 s, current settings can be reset to the factory settings.

## INDIVIDUAL SETTINGS

By pressing any of the push buttons the set up mode will be activated and the luminaire will turn off (see SET UP MODE).

Pressing a button advances the respective function to the next step (LED flash for acknowledgement).

A function can be adjusted by repeated, consecutive pressure of the button without waiting for the blink rhythm after every button pressure (“Fast Track”).

After the highest step the setting recommences with the step „1“.

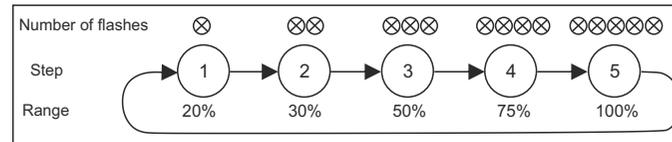


Figure 3: Setting of Sensitivity / Range 

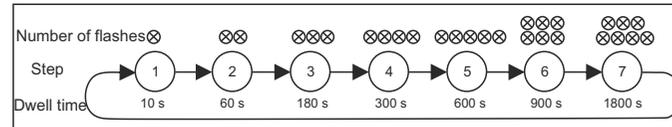


Figure 4: Setting of Dwell time 

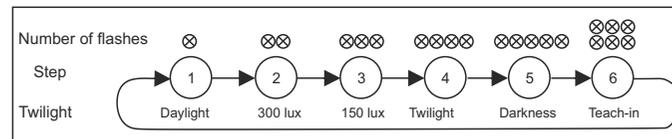


Figure 5: Setting of Twilight 

The „Teach-in mode“ is activated by pressing button  for longer than 3 s. It is indicated visually by continuous slow flashing. After 2 min the current twilight value is measured for the period of 1 min. The LED flashes faster. On completion of this process the currently measured brightness is saved as the twilight threshold setting in AUTOLIGHT and is available as the twilight value for step 6.

# SET UP MODE

The set up mode will be activated by a targeted interruption of the supply voltage or by pressing any of the push buttons. The luminaire will turn off and the activated set up mode will be confirmed by a flashing of the LED. By activation through supply voltage interruption the luminaire will additionally flash 5 times.

The first button push will not change any settings. For activation via supply voltage interruption the following switching rhythm is to be used:

- Activation of supply voltage for 1 s
- Deactivation supply voltage
- Activation of supply voltage for 1 s
- Deactivation supply voltage
- Activation of supply voltage

To exit the set up mode the push buttons „Sensitivity“ (  ) and „Twilight“ (  ) should be pressed simultaneously. After pressing the combination once the sensor will switch into the set up mode after 60 s. The LED starts to flash. An additional pressing of the combination shortens the waiting period to 10 s and leads to a faster flashing of the LED.

If the button combination will not be pressed the switch to the normal mode will be made after 60 min after the last button push or the interruption of the supply voltage.

## TEST MODE

The test mode will be used to test the sensor after the change of the settings. The test mode starts automatically after the exit of the set up mode.

The active test mode will be indicated by a slow flashing of the LED.

In the test mode the sensor has the following functions:

- Hold time 5 s, no retrigger function
- Daylight sensor inactive (setting „Daylight“)

3 minutes after the last push of the button the sensor returns to the normal mode.