

AUTO*LIGHT*xs comfort



HF MOTION DETECTOR FOR LUMINAIRES



AUTO*LIGHT*xs comfort Miniature motion detector with push-buttons

- Particularly suitable for professional use with moderate electric loads
- Compact-sized and small casing
- Simple settings via push-buttons with LED-feedback
- Program Mode for setting of individual brightness thresholds

AUTO LIGHTxs comfort is an innovative and particularly small 5.8 GHz HF motion detector for switching luminaires with any kind of illuminants (for example fluorescent lamps, incandescent lamps or LED) in a very energy efficient way. It is particularly suitable for price sensitive luminaires with lower electric loads.

The motion detector has an immunity against other sensors in the same detection field as well as an implemented test mode for checking the sensor functions. Moreover it offers a high detection speed combined with a large detection field. *AUTO LIGHTxs comfort* is compatible for MICAS master/slave radio technology for luminaires.

Additional features to *AUTO LIGHTxs*

User-friendly push-buttons with LED-feedback allow simple settings for sensitivity, hold time and brightness sensor and activate the factory reset by pushing a special key combination. Furthermore the integrated program mode enables the definition of individual brightness thresholds. Additionally the sensor has a diagnosis-, a 100 hour Burn-In function as well as a "FastTrack" setting function.

Range up to
10 m

HF technology
5.8 GHz

Module size
'XS'

Emitted power
< 5 mW

**Program
Mode**

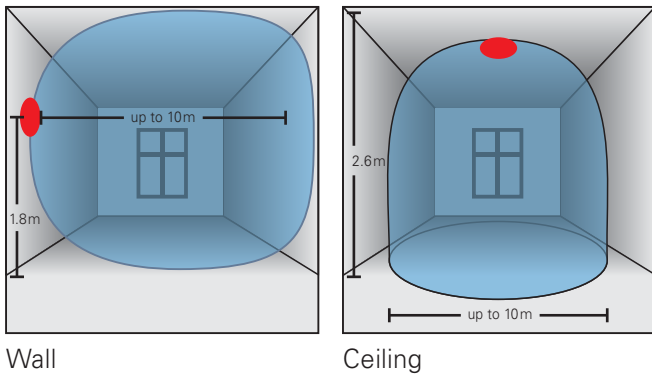
Autolight xs comfort enables a range of up to 10 m.

The high-frequency sensors operate in a frequency range of 5.8 GHz.

Particularly small casing for the installation in compact-sized, price sensitive luminaires.

The emitted power of the sensor is less than 5 mW.

The program mode measures and stores current brightness conditions as a threshold.



AUTOLIGHT xs comfort	
Operating voltage	230 V +/- 10%, 50 Hz
Switching power	max. 400 W incandescent lamps max. 200 VA fluorescent lamps max. 200 VA LED max. 1 electronic ballast Switching load: max. 15 A for a duration of 10 ms at the switching moment, max. 10 A constant current. Electronic ballasts with a higher max. inrush current as well as M/S or M/M applications are possible, but have to be tested and approved by MICAS.
Sensor principle	HF motion detector
Frequency range	5.8 GHz +/- 75 MHz
Power loss at power off state (active power)	< 1,3 W
Emitted power	< 5 mW
Interfaces	3-pole plugable clamp terminal (N, L, L') for 1.5 mm ² cable
Measures	65 x 49.2 x 30.8 mm (LxWxH)
Brightness levels	daylight / 300 lux / 150 lux twilight / darkness / program mode
Mounting height	max. 2.7 m (wall), max. 4.0 m (ceiling)
Sensitivity	20 / 30 / 50 / 75 / 100 %
Hold time	10 / 60 / 180 / 300 / 600 / 900 / 1200 s
Test mode	2 s hold time, daylight sensor: daylight
Operating temperature	-20°C ...+70°C
IP rating	IP 20 (mounting inside a luminaire)
Characteristics	<ul style="list-style-type: none"> - adjustable, rotationally symmetric and conical detection field with up to 10 m of frontal length as well as a 10 m diameter for a wall mounting height of 1.8 m or a ceiling mounting height of 2.6 m (depending on the kind of luminaire, installation circumstances and mounting conditions) - test mode for checking the sensor functions - implemented immunity against other sensors in the same detection field - compatible with almost all marketable quality electronic ballasts without corridor function - <u>electronic ballasts with corridor function only after testing and approval by MICAS</u>

