



# AUTOLIGHT flex 1–10 V

HF motion detector for luminaires

## Motion detector for professional use

**AUTOLIGHT FLEX** is a 5.8 GHz HF motion detector with 1–10 V interface and high inrush relay for switching and dimming of luminaires with any kind of illuminants (especially LED, also fluorescent lamps or incandescent lamps) in a very energy efficient way. It is particularly suitable for professional use with higher electric loads, small mounting space and special requirements for the detection field of the sensor.

**AUTOLIGHT FLEX** has a compact-sized and solid standard casing with special grouting compound for a long-life product quality. The sensor is compatible with marketable quality electronic ballasts. Furthermore, customized selectable DIM programs are available, for example for permanent dimmed lighting or adjustable persistence.

## Characteristics

- Particularly suitable for professional use with higher electric loads
- Implemented immunity against other sensors in the same detection field
- Simple settings in predefined steps via push-buttons
- Predefined DIM programs for the usage in corridors, staircases etc.

## Technical data

Operating voltage	230 V +/- 10 %, 50 - 60 Hz +/- 3 Hz
Switching capacity	max. 1200 VA, inrush current max. 800A / 200 µs*
Standby power	< 1.3 W
Interfaces	3 pole power clamp terminal 2 pole DIM clamp terminal
Sensor principle	HF motion detector
Frequency range	5.8 GHz +/- 75 MHz
Radiated power	< 5 mW
Detection range	up to 15 m (frontal, wall mounted) up to 10 m (diamater, ceiling mounted)
Detection angle	approx. 120° (depending on the cover)
Motion detection	0.3 ... 3 m/s (1 ... 10 km/h)
Sensitivity	20 / 30 / 50 / 75 / 100 %
Hold time	10 / 60 / 180 / 300 / 600 / 900 / 1800 s
Brightness	daylight / 300 Lux / 150 Lux / twilight / darkness / program mode
Dimming	ON / OFF: on = 100 %, after hold time off = 0 % PERMANENT: on = 100 %, after hold time off = 10 % CORRIDOR: on = 100 %, after hold time off = 10 %, after double hold time off = 0 %
Mounting height	max. 2.70 m (wall mounting), max. 4.00 m (ceiling mounting)
Operating temperature	-20 ... +70 °C
IP rating	IP 20 (mounting inside the luminaire)
Size	110 x 41 x 28,4 mm (L x W x H, incl. mounting lugs)
Certificates	CE (additional certificates on request)

\* This information refers to installation requirements with normal relay wear and tear. See also MICAS data sheet "relay switching cycles".