



BFA/A

Motion sensor with infrared sensor

Measuring size: motion

Output: Relay

Highlights: alteration of position from persons and subjects with an temperature difference of > 3 K to the sensor



Description

The motion sensor BFA/A registers movements over a scope 360° with a coverage of approx. 10 m using infrared sensors and, in the event of a movement, switches a changeover contact. The retention time can be freely set between 5 seconds and 15 minutes using a 270° potentiometer. The robust housing is defined especially for outdoor use. The motion sensor is optimally suited for motion dependent control processes, such as e.g. temperature or light control in offices, in industrial facilities etc..

Technical Specifications

Measuring principle	alteration of position from persons and subjects with an temperature difference of > 3 K to the sensor
Measurement range motion	motion yes/no, apex angle 90°/110° on 360° range, reach 10 m
Response time (t90)	< 1 s
Sensor	infrared motion sensor
Sensor protection	cast inside housing
Supply voltage	24 V AC/DC (±5%)
Current consumption	max. 20 mA at 24 V DC
Alarm output	1 x potential-free change-over contact, 48 V, 1 A
Holding time	adjustable from 5 sec. up to 15 min. by 270° potentiometer
Electrical connection	screw terminals max. 1,5 mm ²
Housing	Polycarbonate PC UL 94 V0 with hinge locks, color signal white similar to RAL 9003
Cable gland	PG11 high-strength cable gland with strain relief
Dimensions	Housing: L 89 x W 80 x H 47 mm
Protection type	IP65
Protection class	III
Working range r.H.	0...98% r.H. in contaminant-free, non-condensing air
Working temperature	Electronic: -20...+50°C
Storage temperature	-20...+50°C
Installation	screw fastening
Approvals	CE, EAC, RoHS



Variants

Article Number	
Movement	Output movement
BFA/A-R	
yes/no	change-over contact

Accessories

SB/E

Snap-on mounting for DIN rails





Dimensional Drawing

