



BFR/A

Motion sensor with infrared sensor for indoors

Measuring size: motion

Output: Relay

Highlights: modern housing design



Description

The motion sensor BFR/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 room housing in modern design is specially designed for indoor use. The motion sensor is optimally suited for motion dependent control processes, such as e.g. temperature or light control in offices.

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	mounted 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	ABS polyman, colour signal white like RAL 9003
Cable gland	on the back or housing side (predetermined breaking point)
Dimensions	Housing: L 82 x W 82 x H 25 mm
Protection type	IP30
Protection class	III
Working range r.H.	0...98% r.H. in contaminant-free, non-condensing air
Working temperature	0...+50°C
Storage temperature	-20...+50°C
Installation	on-wall or on flush-mounted box
Approvals	CE, EAC, RoHS



Variants

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

Accessories



FS9510

Table stand for room housing



Dimensional Drawing

