



BFD2/A

Mini-Motion sensor with infrared sensor for ceiling installation

Measuring size: motion

Output: normally open contact (closer)

Highlights: motion yes/no, normally-open contact, holding time 5 sec. up to 15 min.



Description

The mini-motion sensor BFD2/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 closing contact. The retention time can be freely set between 5 seconds and 15 minutes using a 270° potentiometer. The unobtrusive housing with a clip fastening and reverse polarity protected socket is suitable for the quick assembly in intermediate ceilings. The motion sensor is used 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	potential-free normally open contact max. 48 V (100 mA)
Holding time	adjustable from 5 sec. up to 15 min. by 270° potentiometer
Electrical connection	screw/plug terminals max. 1,5 mm ²
Cable	0,5 m PVC cable
Housing	Sensor: aluminium, colour signal white like RAL 9003, Electronic: plastic, colour light grey
Dimensions	Housing: L 55 x W 15 x H 18 mm
Protection type	IP20
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	in the false ceiling by 2 tension springs
Approvals	CE, EAC, RoHS



Variants

Article Number	
Movement	Output movement
BFD2/A-S	
yes/no	potential-free normally open contact



Dimensional Drawing

