

Appearance

- · Optimized design with a miniature and translucent housing
- Vandal proof with PC housing

Technology

- Same K-band planar antenna as the one developed for the Eagle range
- Digital electronics
- Unidirectional (for energy savings on heating and air conditioning) or bidirectional
- MTF function: adjustment that switches the unidirectional mode to the bidirectional one automatically in case the motion direction is inverted, which increases the safety for hesitating movement of some people

Detection

- Wide or narrow sensing field
- Mounting height up to 4 m

Adjustments for universal use

- Fully controlled by a coded infrared remote control unit, which enables you to adjust every BEA product
- 3D antenna's adjustments front: from 0° to 90° lateral: from -30° to +30°
- · Ceiling mounting without accessory

■ Planar antenna and adjustments with the BEA universal remote control unit

A single control box in the door controller, two heads on the door controller... All the BEA Eagle experience in the smallest sensor ever. The MicroHead especially adapts to compact door controllers.

MICROHEAD ONE: unidirectional sensor

MICROHEAD TWO: bidirectional sensor









Description

- 2 sensing heads
- 2 cables sensing heads-control box
- Control box
- Power supply cable



Internal view

- Infrared receiver
- 2 LED
- 3 Lateral position of the antenna adjustment
- Vertical position of the antenna adjustment
- Wide sensing field antenna (default)

Note:
"Outdoor" and "indoor" terms are only used in order to ease the installation, as the 2 sensing head channels are electrically equivalent.

Technical specifications

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Technology	microwave and microprocessor	
Transmitter frequency	24.175 GHz	
Transmitter radiated power	20 dBm EIRP	
Transmitter power density	< 5 m W/cm ²	
Mounting height		
• standard	from 1.8 m to 3 m	
• high	from 3 m to 4 m	
Tilt angles	0° to 90° vertical	
	-30° to +30° lateral	,
Detection area (mounting height = 2.2 m)		
wide sensing field	4 m (W) x 2 m (D)	
narrow sensing field	2 m (W) x 2.5 m (D)	
Detection mode	motion	
Minimum speed	5 cm/s (measured in the sensor axis)	
Supply voltage	12 V to 24 V AC ±10%	
	12 V to 24 V DC +30% / -10%	
Mains frequency	50 to 60 Hz	
Power consumption	< 4 W (VA)	
Output relay (free of potential change-over of	ontact)	
max contact voltage	42 V AC - 60 V DC	
max. contact current	1 A (resistive)	
 max. switching power 	30 W (DC) / 60 VA (AC)	
Hold time	0.5 s to 9 s (adjustable)	
Temperature range	-20°C to +55°C	
Degree of protection	IP54	
Immunity	R&TTE 1999/5/EC EMC 89/336/EEC	
Material	ABS & Polycarbonate	
Dimensions		
sensing head	80 mm (W) x 60 mm (H) x 55 mm (D)	
control box	77 mm (W) x 50 mm (H) x 30 mm (D)	
Weight		
sensing head	140 g	
control box	60 g	
Color of head housing	black smoked	
Length of cable		
sensing head cable	2 m	
power cable	2.5 m	
Manual adjustments		
sensitivity (by push buttons)		
orientation of sensing field (mechanical)	ly)	
• shape of the sensing field (by choice of a		
Danasta santual adimetus anta		

Subject to modifications



Remote control adjustments sensitivity

output configuration • door control

hold time

immunity

• detection mode









ten levels



from 0.5 s to 9 s in 10 steps

4-digit access code



uni- or bidirectional, MTF (MicroHead ONE only)

quasi-presence, normal, increased immunity

automatic, permanently open/closed

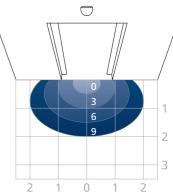






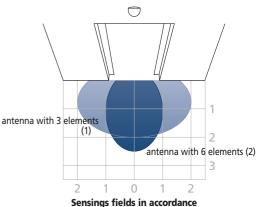


Sensing fields



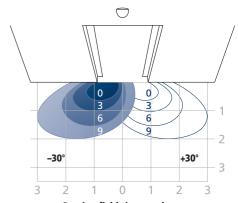
Sensing fields in accordance with sensitivity setting

mounting height: 2.2 m



Sensings fields in accordance with type of antenna

mounting height: 2.2 m



Sensing fields in accordance with lateral position of antenna mounting height: 2.2 m

Application





