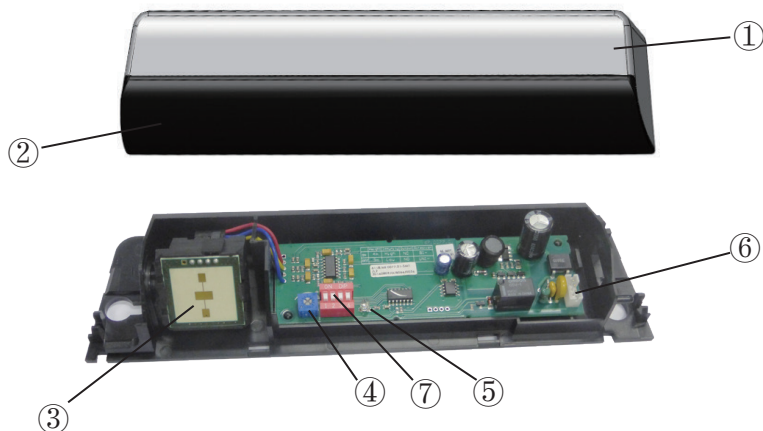


# ZEN UNI

Other use of the device is outside the permitted purpose and can not be guaranteed by the manufacturer. The manufacturer cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor.

## Unidirectional opening sensor for automatic sliding doors

### DESCRIPTION



1. Cover
2. Front cover
3. Planar antenna

4. Potentionmeter
5. LED
6. Connector
7. DIP-Switch

Brown	Power supply
Green	Power supply
White	Relay (COM)
Yellow	Relay (NO)

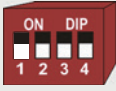
### TECHNICAL SPECIFICATIONS

Technology:	microwave and microprocessor
Transmitter frequency:	24.125GHz
Transmitter radiated power:	<20 dBm EIRP
Transmitter power density:	< 5mW/cm <sup>2</sup>
Maximum mounting height:	4m
Tilt angles:	15°- 45°
Max. detection field:	4m x 2m (mounting height=2.2m)
Detection mode:	motion
Minimum speed:	5 cm/s (measured in the sensor axis)
Supply voltage:	12V to 24V AC +/- 10%; 12V to 30V DC
Mains frequency:	50 to 60 Hz
Power consumption:	< 2W (VA)
Output relay(free of potential change-over contact)	
Max. contact voltage:	42V AC- 60V DC
Max. contact current:	1A (resistive)
Max. switching power:	30W (DC) / 60VA (AC)
Output hold time:	0.5s
Temperature range:	-20°C to +55°C
Protection Degree:	IP54

specifications are subject to change without prior notice.  
All values measured in optimal conditions.

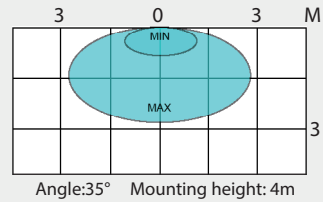
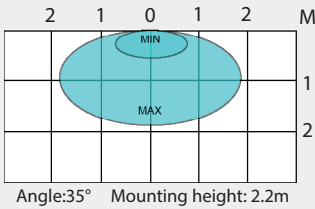
# SETTING

## 1 DIP switch



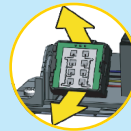
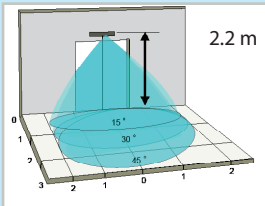
	DIP 1 MOUNTING HEIGHT	DIP 2 IMMUNITY	DIP 3 OUTPUT CONFIG	DIP 4 DETECTION MODE
ON	3m-4m	High	passive - NC	bidirectional
OFF	1.8m-3m	Low	active - NO	unidirectional

## 2 Size of sensing field: sensitivity settings.



## 3 Depth of sensing field: vertical angle of the planar antenna.

ANGLE



## 4 Open and close.

As the followed photo, remove the front face from ZEN by putting finger at both end.



OPEN

Align the top edge first and then push at both end, to close the front face.



CLOSE

## 5 Installation tips.



Avoid extreme vibrations.



Do not cover the sensor.



Avoid moving objects and light sources in the detection field.



Avoid highly reflective objects in the infrared field.

## TROUBLESHOOTING

The door will not open and LED is OFF.	The sensor power is off.	<ol style="list-style-type: none"> <li>1 Check the wiring and the power supply.</li> </ol>
The door opens and closes constantly.	The sensor "sees" the door moving. When closing, the door creates vibrations picked up by the sensor.	<ol style="list-style-type: none"> <li>1 Increase the tilt angle and/or reduce the sensitivity.</li> <li>2 Make sure that the sensor is correctly fixed.</li> </ol>
The door will not close. LED is OFF.	ON-OFF switch at door control is in wrong position or faulty.	<ol style="list-style-type: none"> <li>1 Make sure that the ON-OFF switch for the door is in the ON or AUTOMATIC position.</li> </ol>
Detection area is too small	Sensitivity is too low Mounting height mode incorrectly setting	<ol style="list-style-type: none"> <li>1 Increase the sensitivity via potentionmeter</li> <li>2 Set the dip-switch-1 at "ON" position when mounting height is higher than 3m</li> </ol>

### SAFETY INSTRUCTIONS



The manufacturer of the door system is responsible for carrying out a risk assessment and installing the sensor and the door system in compliance with applicable national and international regulations and standards on door safety. Only trained and qualified personnel may install and setup the sensor. The warranty is void if unauthorized repairs are made or attempted by unauthorized personnel. Avoid touching any electronic and optical components.

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Angleur, November 2010 Jean-Pierre Valkenberg, Authorized representative  
The complete declaration of conformity is available on our website: [www.bea.be](http://www.bea.be)

