

Microwave motion detector for automatic pedestrian doors [ES with direction recognition]

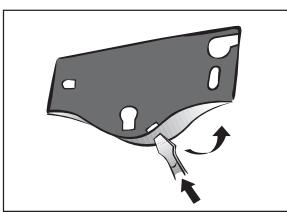
Questions? Call us at 800 - 252-1272, 8am - 5pm central standard time.

Safety instructions

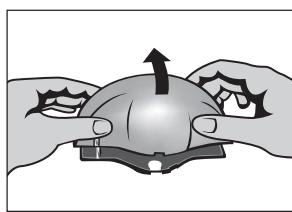
- * The device must only be operated at a protective low voltage with safe electrical insulation. Product repairs must be performed solely by the manufacturer.
- * Shut off all power going to the sensor before attempting any wiring procedures.
- * Maintain a clean & safe environment when working in public areas.
- * Constantly be aware of pedestrian traffic around the door area.
- * Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected reactions by the door.
- * Always check placement of all wiring and components before powering up to ensure that moving door parts will not catch any wires and cause damage to equipment.
- * Ensure compliance with all applicable safety standards (i.e. ANSI A156.10) upon completion of installation.

DO NOT LEAVE ANY PROBLEMS UNRESOLVED - NEVER SACRIFICE SAFETY FOR ANY REASON

1 Open sensor with a screwdriver

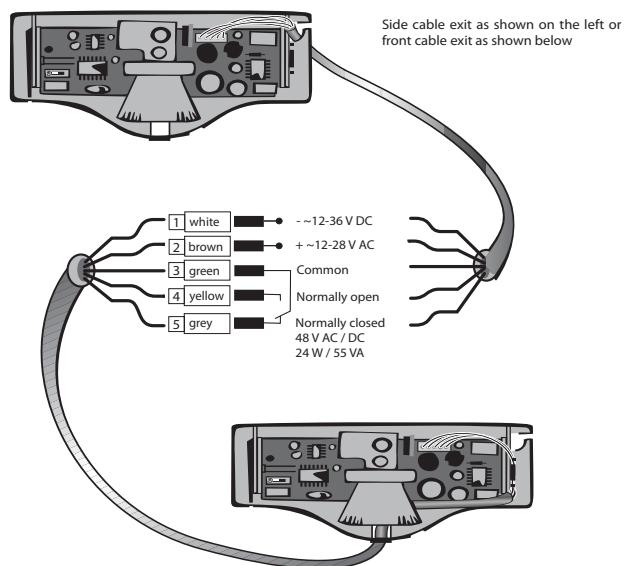


When not mounted

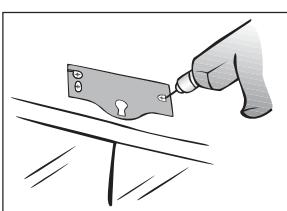


When already mounted

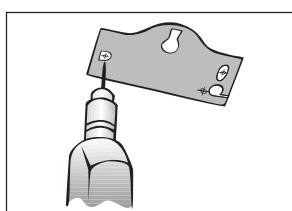
4 Connections



2 Drill holes using template

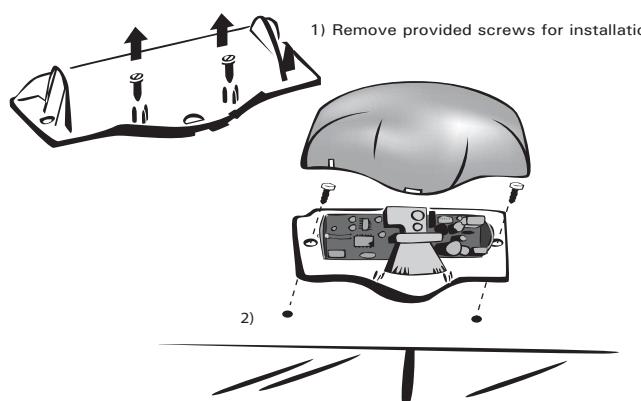


Wall mounting

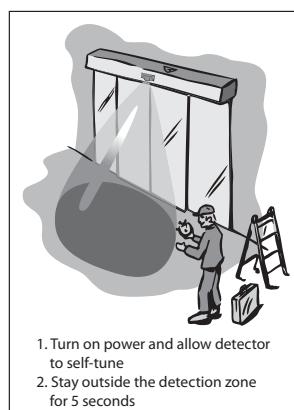


Ceiling mounting

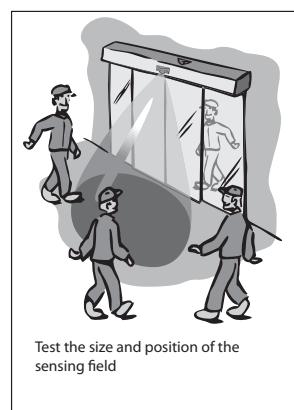
3 Install sensor with provided screws



5 Testing of the settings

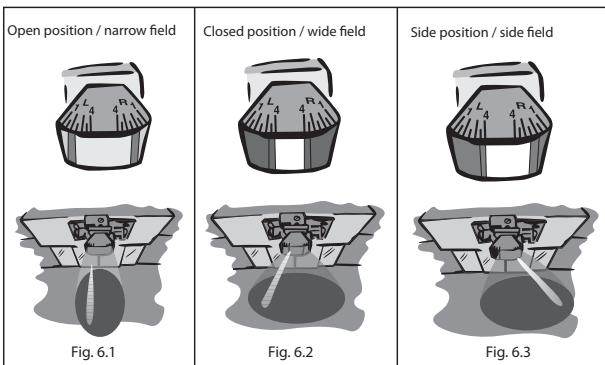


1. Turn on power and allow detector to self-tune
2. Stay outside the detection zone for 5 seconds

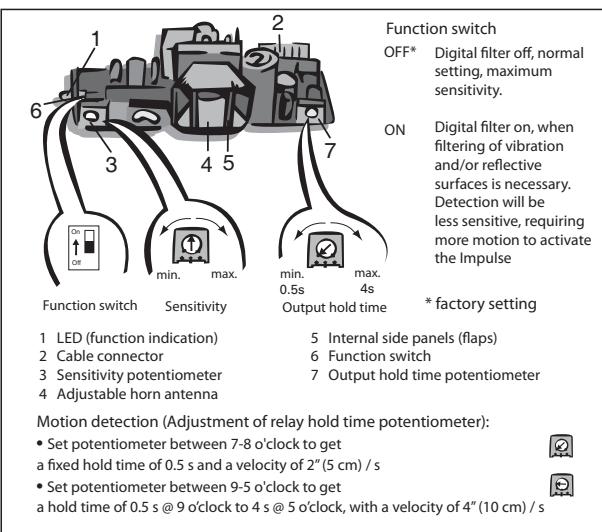


Test the size and position of the sensing field

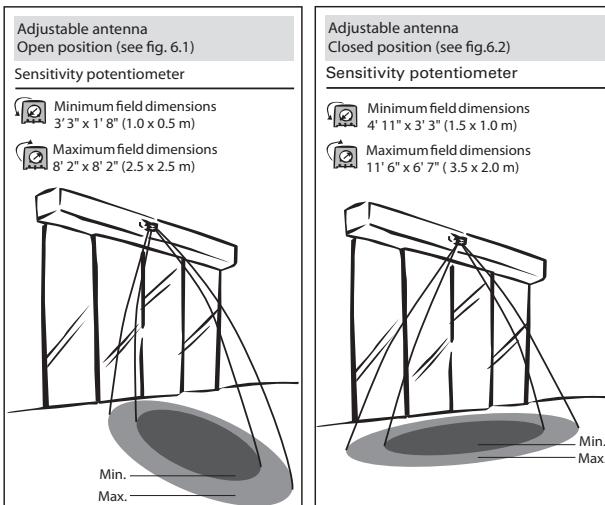
6 Setting field shape and position



9 Setting all other parameters

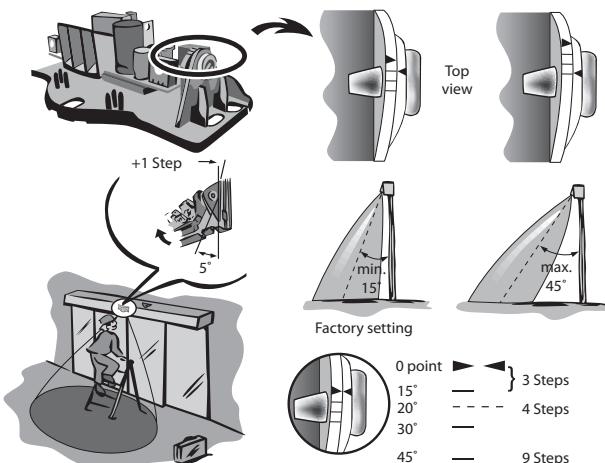


7 Setting sensing field shape and size

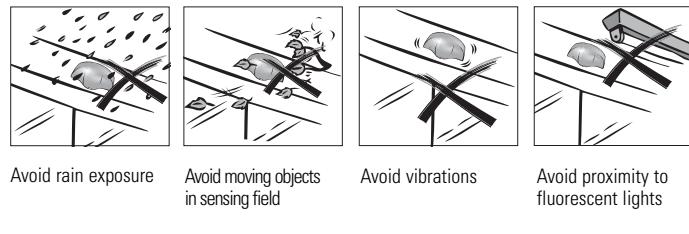


Value for mounting height of 7' 3" (2.2 m). Maximum mounting height: 13' 1" (4 m).

8 Setting frontal inclination



10 Interference avoidance



11 Technical data

Power supply	12-28 V AC / 12-36 V DC
Current consumption	approx. 100 mA at 24 V AC, +20° C
Temp. range	-4 °F to +140 °F [-20° C to +60° C]
Humidity	0 to 90%, non condensing
Microwave module	K-band 24,125 GHz +/- 100 MHz
Transmitting power	≤ 20 dBm
Relay output pot. free	change-over contact
Switching voltage	48 V AC/DC
Switching current	0.5 A AC/1 A DC
Switching power	55 VA / 24 W
Protection class	suitable for the application after IP 54
Housing material	ABS

12 Contact

If after troubleshooting a problem, a satisfactory solution cannot be achieved, please call
Bircher Reglomat at 800 - 252-1272
from 8am - 5pm central standard time.
You may also visit our website at www.bircherreglomat.com

**DO NOT LEAVE ANY PROBLEMS UNRESOLVED
NEVER SACRIFICE SAFETY FOR ANY REASON**

13 Disclaimer

Bircher Reglomat reserves the right to change any information on this document without notice.

For the latest version, please log on to www.bircherreglomat.com or call us at 847-952-3730 to request a copy of the current version.

FCC APPROVAL

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

- *this device may not cause harmful interference, and
- *this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna
- *Increase the separation between the equipment and receiver
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- *Consult the dealer or an experienced radion/TV technician for help

Warning: Changes or modifications to this equipment not expressly approved by Bircher Reglomat AG may void the FCC authorization to operate this equipment.