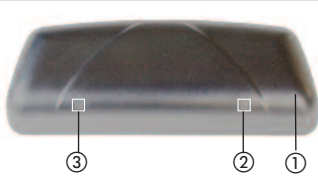


Please keep for further use!

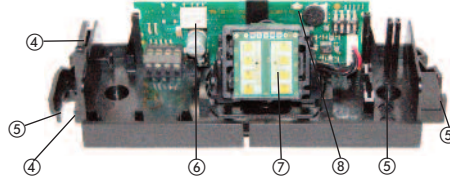
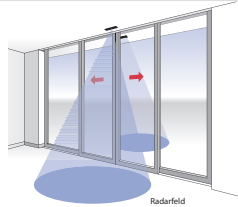
PrimeMotion B

Translation of the original instructions

General



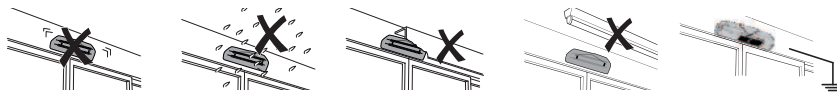
PrimeMotion B



- ① Hood, ② Light window detector indication, ③ no function,
- ④ Cable bushing,
- ⑤ Mounting holes,
- ⑥ Detector electronic,
- ⑦ Microwave module,
- ⑧ LED microw.: green

1 Safety instructions

Observe the national and international regulations on door safety. Only trained, qualified personnel may mount and start up the detector. The unit may only be opened and repaired by Bircher Reglomat. The unit may only be operated from a safety extra-low voltage (SELV) system with safe electrical separation. Always consider the safety functions of your application as a whole, never just in relation to one individual section of the system. The installer is responsible for carrying out a risk assessment and installing the detector and the door system correctly. Avoid touching any electronic components. The door drive and transom profile must be earthed correctly.



Start-up

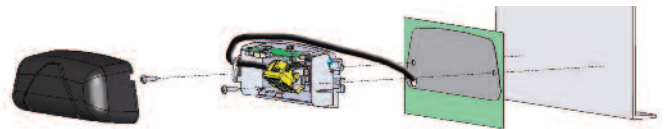
Recommended start-up sequence: I. Mounting II. Connection

2 Montage

- I 1. Remove cover hood
- 2. Lay and connect cable
- 3. Mount detector

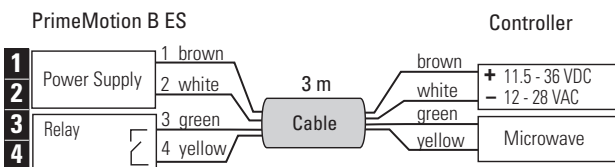
Mounting of the detector

- 1. Position drill template
- 2. Drill the holes, remove drill template
- 3. Lay cable and mount detector



3 Electrical connections

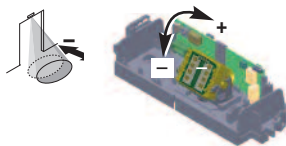
II Connecting



4 Mechanical fine tuning

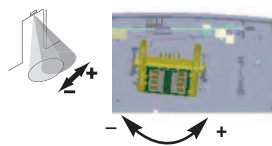
Manual settings of the inclination

0° ... +45° in 5° steps

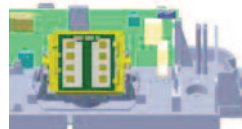


Manual settings of the pivoting

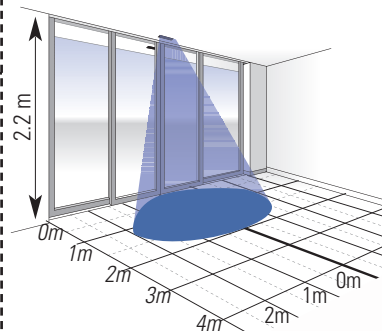
- 20° ... +20° in 5° steps



Wide radar field

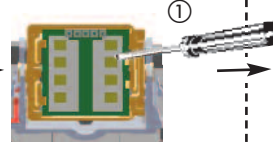


Inclination angle: 35°



min. = 0.5 x 0.25, max. = 4 x 2 m (WxD)

turn 90°

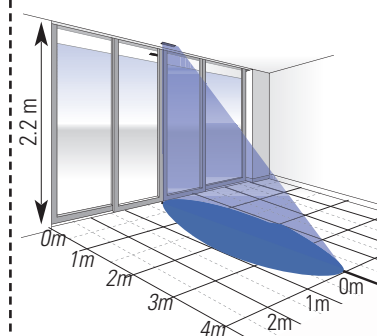


90°

Narrow radar field



Inclination angle: 35°



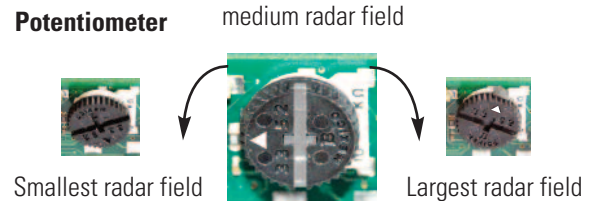
min. = 0.16 x 0.8, max. = 2 x 4 m (WxD)

5 Configuration by hand DIP-Switch and potentiometer

DIP-Switch

	Radar exit (active/passive, NO/NC)
	Interference filter (Door and EMV flows)
	CTO and swing filter
	Direction recognition

Potentiometer



Radar functions		DESCRIPTION
Field size		 1 = Smallest radar field (LED flashes once), 2 3* = Medium radar field (flashes 3 times), 4 5 = Largest radar field size (flashes 5 times)
Direction recognition		 ON = both directions OFF* = forward
Cross Traffic Optimisation CTO		 ON = CTO on OFF* = off
Door filter (Interference for radar)		 ON = Door and interference filter on (EMV flows, e.g. fluorescence tube) OFF* = filter off
Radar exit		 ON = passive (NC) OFF* = active (NO)

* factory settings

6 Remediating malfunctions

green LED	Fault	Remedy
	Radar tripping when door is closing	1. Set angle of radar further away from the door. 2. Adjust radar field size.
	Radar false tripping without apparent external influence	1. Avoid light sources (e.g. fluorescent tubes) in the immediate vicinity of the detector. 2. No moving objects (plants, advertising posters, etc.) in the vicinity of the detector. 3. Avoid strong vibration at the radar detector 4. Possible influence from a second radar detector in the vicinity (very unlikely)

7 Most important technical data

Technology	Double field module, 24.125 GHz
Mounting height	1.8 - 4 m
Electrical power supply	≤ 120 mA @ 11.5 – 32 VDC, 12 – 28 VAC
Power consumption	< 4 watts
Making current	≤ 800 mA
Output radar	max. contact voltage: 110 VDC/125 AC, max. switching current: 1 A, max switching capacity: 37.5 VA (AC) / 30 W (DC)
Protection class	Suitable for use acc. to IP54
EMV / RTTE	acc. to EMC and RTTE directives
Operating temperature	-20° to 60° C
Dimensions	172 x 60 x 48 mm (LxWxD)
Weight	120 g

8 Declaration of conformity, identification of the year of manufacture by means of the serial number

8.1 Declaration of conformity

Manufacturer:	Bircher Reglomat AG, Wiesengasse 20, CH-8222 Beringen, Switzerland, www.bircher-reglomat.com
Authorised rep:	Bircher Reglomat GmbH, Robert Bosch Strasse 3, D-71088 Holzgerlingen, Germany
Following directives have been observed:	2006/42/EC, R&TTE directive 1999/5/EC, EMV-directive 004/108/EC
Following standards have been taken into acc.:	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Signee:	CEO, L. Oberholzer / QHSE, K. Kuhn / 1.12.2010, CH-8222 Beringen
Product variant:	PrimeMotion B ES

8.2 Identification of the year of manufacture

BIRCHER REGLOMAT
Wiesengasse 20, CH-8222 Beringen
PrimeMotion B ES
microwave motion detector

Week _____

Year of manufacturing _____

Produktion: 01/2011
FCC: UKG-P-09106

0682

261008/?

9 Contact data

Manufacturer:
Bircher Reglomat AG
Wiesengasse 20
CH-8222 Beringen
Switzerland
www.bircher-reglomat.com