



CR3

Microwave motion detector for escalators and moving walkways

Straightforward, reliable, versatile

- One device for both internal and external applications
- Adjustable detection range and mounting methods
- Quick and easy startup

Technical data

Mechanical data

Material	ABS
Dimensions (mm)	62 × 48 × 37 mm (L × W × H)
Cable	Length 5 m, 5 × 0.25 mm ²

Technological data

Technology	Microwave Doppler Radar
Frequency	24.125 GHz
Transmitter radiated power (EIRP)	< 20 dBm
Max. detection distance	2.5 m
Detection mode	Motion
Min. detection speed	3 cm/s (measured in sensor axis)

Electrical data

Supply voltage	12~28 V AC ±10% 12~36 V DC ±10%
Frequency range	50~60 Hz
Max. power consumption	1.2 W
Output	Relay with switch-over contact
Rated load	0.5 A at 125 V AC; 1 A at 24 V DC
Rated carry current	2 A
Max. switching voltage	125 V AC, 60 V DC
Max. switching current	1 A

Ambient conditions

Storage / operation temperature	-20 °C to +60 °C
Protection class	IP65

Note

Technical details and recommendations concerning our products are based on experience and are an aid for the orientation of the user. Details stated in our brochures and data sheets do not guarantee special properties of the product. This does not apply to special product properties confirmed by us in writing or individually. Subject to technical alterations.

Application

Situation

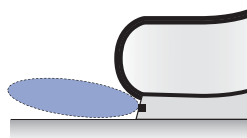
Escalator

Solution

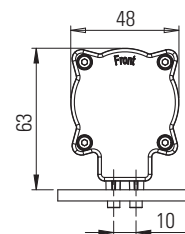
CR3 restarts escalator when in energy-saving mode

Advantages

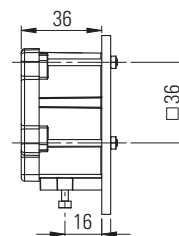
- Compact housing allows for facile integration
- Easy adaption to application through adjustable detection range and different installation methods
- Optimised flow of people



Mounting methods



Mounting from underneath



Mounting from rear

BBC Bircher Smart Access

Wiesengasse 20
8222 Beringen
Switzerland
Phone +41 52 687 11 11
info@bircher.com
www.bircher.com

Order details

Article no.	Description
362736	CR3 Microwave motion detector, black

