



record FlowControl is an automatic people counting system for retail stores and shops. The system reliably counts all people in both directions in and out. If the pre-defined max. people count is reached, entry door is automatically deactivated to prevent further access of people. This allows an active control and limitation of the people flow into a building. Multiple door configurations are also possible. A surface mounted LED stripe IP65 indicates if access is granted (green) or not (red).

## Key benefits

- Automatic stop of the people flow if the predefined max. people count is reached
- Interaction with the door in entry direction (escape direction not affected)  
Please note: non-record doors with bus connected radar sensors are only partially compatible
- Manually adjustable counting values (keys +/-) and intuitive usage
- Only 2-4 h installation work
- Clear signalisation with green/red LED stripes IP65, resistant to vandalism
- Complies with privacy policies: no personal data is generated or stored. Can be connected to Building Management Systems (BMS)

## System specifications

Counting accuracy	> 99 %
Sensor installation height	2 100 – 3 000 mm
Passage width	max. 2 100 mm at 3 000 mm sensor installation height
Min. object height to count	1 300 mm
Maximum number of sensors combined	4; maximum distance between all sensors is limited to 60 m with 4 sensors, 100 m with 3 sensors, 120 m with 2 sensors
Multiple entry / exit door configuration layouts	Yes
Configurable counting values	Yes, actual and maximum people count is adjustable
On / Off button	Yes
Control unit	record BDE-D FC control unit
Interaction with sliding doors	Yes, all record doors + brands with radar sensors (relay output) are compatible; compatibility of bus-connected radar sensors to be clarified.

## Installation requirements

Power supply	110 – 230 V AC, 50-60 Hz
Indoor / outdoor usage	LEDs outdoor IP65, sensor/electronics indoor
Counting Technology	Time-of-Flight 3D

## Videos



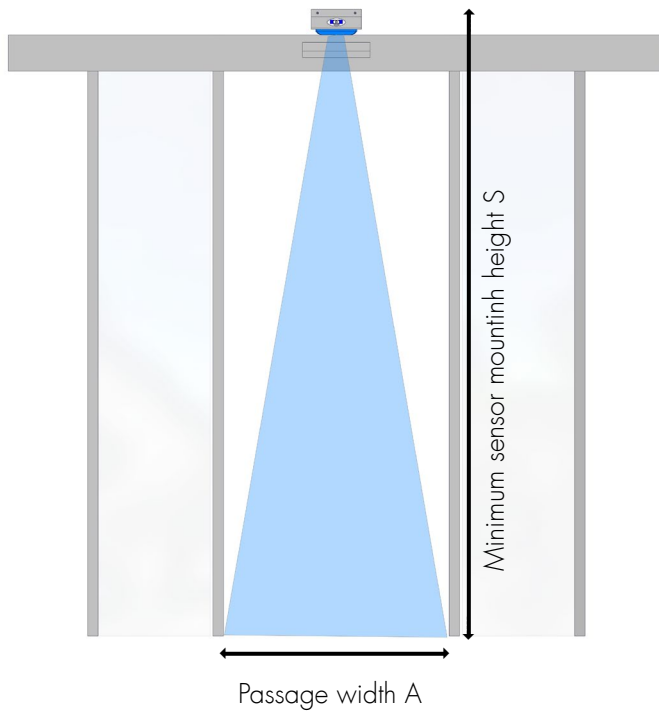
Counting solution with door interaction



Counting solution commented

The mounting height of the sensor depends on the passage width A of the door.

Please note: The passage width defines the minimum sensor installation height.



min. mounting height sensor S	max. passage width A
2 100 mm	1 300 mm
2 200 mm	1 400 mm
2 300 mm	1 500 mm
2 400 mm	1 600 mm
2 500 mm	1 700 mm
2 600 mm	1 800 mm
2 700 mm	1 900 mm
2 800 mm	2 000 mm
2 900 mm	2 100 mm
3 000 mm	2 200 mm

Art. No. record BLASI	Name	Description	Installation efforts*
121-000815624	FlowControl Basic kit	Stand-alone counting system with automatic entry door deactivation at occupancy limit 1 pc. counting sensor incl. 7 m cable length – mounting kit door drive (included) – mounting kit ceiling (included), up to 3 m sensor mounting height 1 pc. control unit BDE-D FC with display to set, incl. 15 m cable length – current people count (keys +/-), reset counter - set max. allowed people count, 2 pcs. LED stripe (IP65) to signal entrance status green / red, 5 m cable length 1 pc. electronics box incl. power supply, 5 m cable length with Schuko plug 1 pc. cable for the interaction with the door, 5 m cable length	2-4 h
121-000815625	FlowControl Counting sensor	1 pc. counting sensor for an additional entry/exit door (multiple door setup) incl. 15 m sensor to sensor cable length – mounting kit door drive (included) – mounting kit ceiling (included), up to 3 m sensor mounting height Please note: This cable connects one sensor with another. Extended cable length available.	0.5-1 h
121-000815626	FlowControl LED stripes	2 pcs. additional LED stripes (1 000 mm) for multiple entry door signalisation, incl. 5 m cable length, (please consider any cable extensions adapted to local conditions)	0.5-1 h
121-000125172	Sensor to sensor connection cable 30 m	1 pc. connection cable between two counting sensors, 30 m cable length	
121-000125173	Sensor to sensor connection cable 50 m	1 pc. connection cable between two counting sensors, 50 m cable length	
121-000125280	Sensor to sensor connection cable 100 m	1 pc. connection cable between two counting sensors, 100 m cable length	
121-000125281	LED stripe extension cable 100 m	1 pc. extension cable for LED stripes LIYY 4 x 0,5 mm <sup>2</sup> , 100 m cable length	
121-000815669	Mounting kit LED	Mounting KIT for LED strips on concrete/plaster wall	
121-000125204	Double socket (Schuko)	1 pc. double socket (Schuko) to use the existing socket in record doors to power the STA control unit and FlowControl electronic box, 1 m cable length	

\*All manuals are available on [record.group/countries](http://record.group/countries). Actual installation time varies and depends on local conditions.