GILGEN SENSOR SYSTEM AND CONTROL ELEMENTS FOR SLA

Reliable opening and closing

Putting your safety first
Safe operation and personal protection are the top priority, when it comes to Gilgen automatic doors. The system as a whole, consisting of its drive mechanism, profile sections and sensors, must conform to the applicable standards and regulations of the country of use.

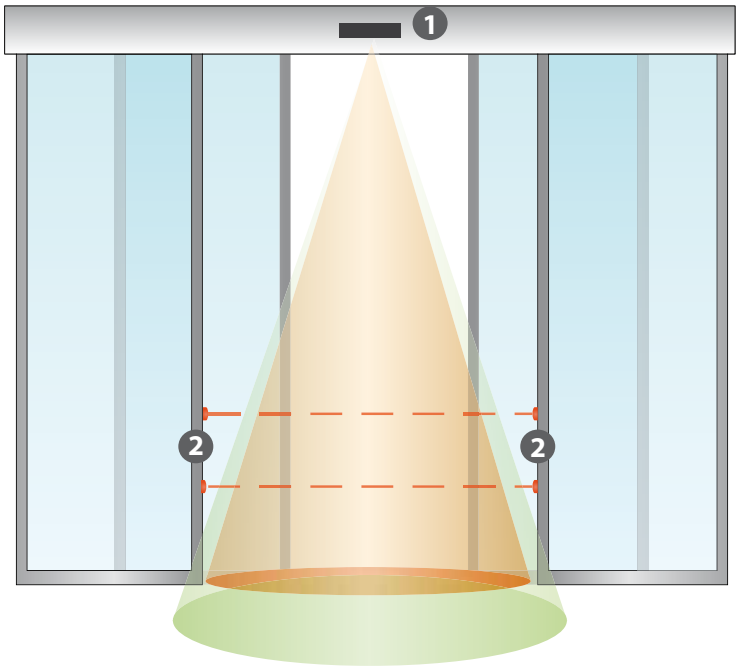
Main functions of a state-of-the-art door sensor system
Motion detector:
- Detects persons approaching the door
- Ensures the fast detection of objects (such as prams) being pushed into the open doorway by a person walking behind

Closing-edge protection:
- Protects persons and objects in the doorway from being hit or trapped by the sliding door
- Optimised technology: Safety barriers designed to monitor the entire doorway. These self-monitoring units are automatically tested before each closing operation.
- Photoelectric safety barriers: Certain markets are supplied with photoelectric safety devices (one- or two-beam), instead of normal safety barriers. These are likewise tested, before each closing operation, for safe functioning.

Combination sensors:
Gilgen sliding doors should preferably be equipped with combination sensors. These combine motion detectors and safety barriers in a single device.

Other types of equipment:
Various other types of equipment can also be connected to ensure conformity with local standards and regulations.

Force-limiting system
The dynamic forces established in DIN 18650 are maintained throughout operation.



1 Motion detector

Combination device (motion detector and closing edge protection)

2 Photoelectric safety barriers

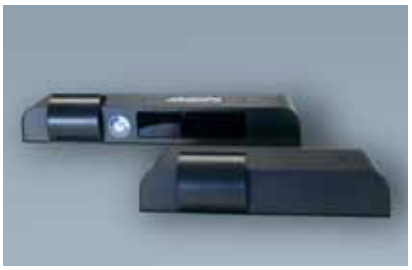
GILGEN DOOR SYSTEMS

Individual optional control elements

Available operating modes		Key-operated program switch	D-Bedix
Automatic	The door actuates whenever the opening element generates an impulse (summer or winter mode). The system is not locked.	√	√
Night	The system is locked. The command to open can only be generated by the key-operated switch or corresponding F-key device.	√	√
Open	The door opens, and then remains open.	√	√
Manual	The system is released. The sliding doors can be moved manually	√	√
Exit	The door functions in one-way mode, with only one opening element (usually the inside unit) enabled to trigger the door opening mechanism (shop closing-time mode). The system is locked.	√	√
Summer/winter opening	Adjustment of opening width Summer/Winter switchover	—	√
Adjustable:	Opening speed Closing speed Hold-open time	—	√
Display reading:	Number of cycles Software version Error number	—	√

Key-operated program switch
The straightforward operating device

D-Bedix
The versatile operating and programming device



Sensor systems
The opening of the door is normally triggered by movement sensors designed to detect the presence of persons in the doorway. The combination device is designed to protect both persons and objects standing in the doorway.

Operating elements
It is also possible to connect such additional elements as pushbuttons, contact-free proximity switches and emergency OFF contacts.