

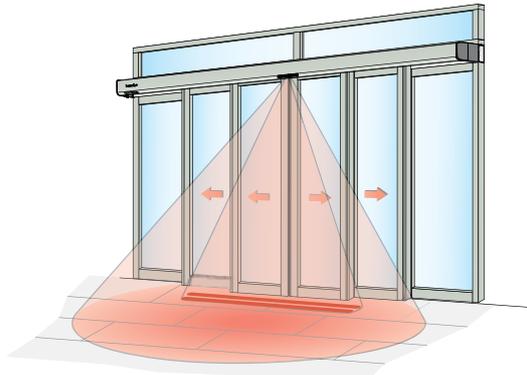
Modernization Kits

ASSA ABLOY M SL-Safety

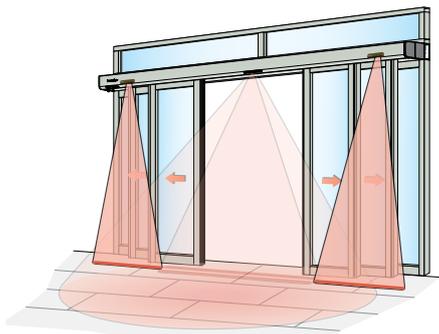
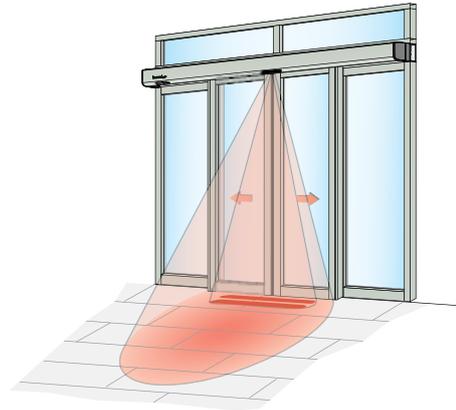
ASSA ABLOY

ASSA ABLOY Entrance Systems

The global leader in door opening solutions



Overhead threshold presence sensors



Side presence detection

Overhead threshold presence sensors

Overhead Threshold Presence Sensors coming from combined Activation and Safety Sensors are touchless, monitored safety sensors that are used for optimal operational safety and convenience, protecting the user during closing cycles, and reaching the safety levels required by official norms and regulations.

Side presence detection for sliding doors

Side presence sensors are used to protect users from being struck by the doors during their opening cycle. Side presence sensors are always combined with threshold presence sensors. If return wall/corridor - use pocket screens. Pocket screens can not be used with telescopic doors.

Adding convenience and safety for the users up to the highest standards while improving the indoor climate for staff and customers

We all age. High-tech safety features 10 years ago, are too basic and not state-of-the-art any longer. Also, with an increasingly aging population, you want your automatic sliding door entrance to be safe for all pedestrians despite physical capabilities or age. Our entrance solutions are monitored, fail-safe systems for escape routes and emergency exits as well, ensuring opening and evacuation possibilities at all times.

The products are designed to meet and even exceed the increasing and more demanding today's safety norms. This leaves a peace-of-mind for the owner in terms of users' safety. Besam door owners' have relied on our products' remarkable safety and reliability for years already when it comes to supporting their business flow and industry.

We can provide Modernization kits to further increase the safety in, beside and around your power operated doors. Our sales advisors, technicians and customer support strive to **always provide our existing and new customers with the best possible advice** and products in order to exceed expectations on operational safety and convenience, as well as to fulfill all requirements for the applicable safety norms and regulations, making your environment safer for the users and helping to reduce your liability risk.



Key Benefits



Convenience



Safety

Illustration of sliding door with safety sensors

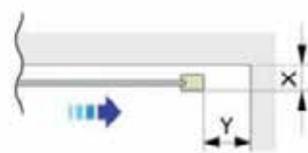


1. Touchless, monitored safety sensors for optimal operational safety and convenience during opening and closing cycles
2. Monitored and touchless safety sensors for sidelights to slow down speed in sidelight area during door opening cycles

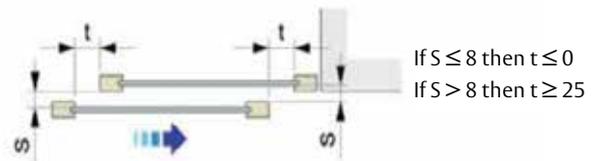
Benefits include:

- Safe and reliable entrances for all pedestrians, especially for the disabled, children and the elderly
- Meet or exceed tough international safety standards that in turn reduce the liability risk
- Cost-efficient way to improve convenience and safety on existing installations

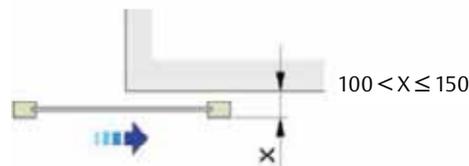
Illustration of some of the potential hazards that should be protected



a) Crushing protection



b) Shearing and drawing in protection



c) Distance front surface of doorset leave



d) Finger protection (drawing in)

Power operated pedestrian doorsets shall be designed so that **hazards** due to crushing, shearing, impact and drawing-in during the opening and closing cycles **are avoided**, or so that safeguards against such hazards are provided.

Very special attention must be taken when a **large proportion of the users** are elderly, infirm, disabled persons and young children, when special protection should be provided.