

INFO SHEET

MOBILE SYSTEMS

SAFETY DEVICES

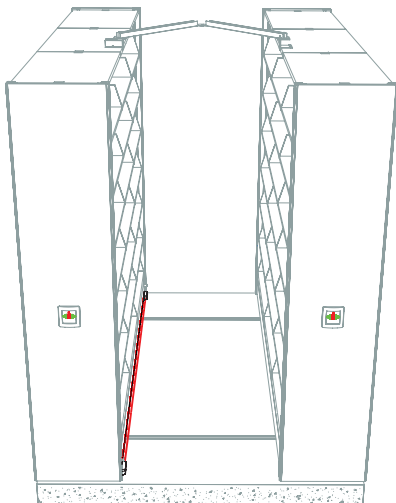
BASE LINE

Photo Sweep[®]

Uses infrared photoelectric technology to provide protection for people and objects in open aisles.

BENEFITS:

- Aisle lock out with manual reset protects objects left in the aisle by requiring that they be cleared from the affected sweep before normal system operation can resume. Also assures visual check of open aisle before being reset for activation.
- 3/4" beam activation height above the floor detects even low, small objects on the aisle floor.
- Design flexibility permits additional optional sensors that can be mounted at variable locations.
- Photo sweeps provide for zero activation pressure.



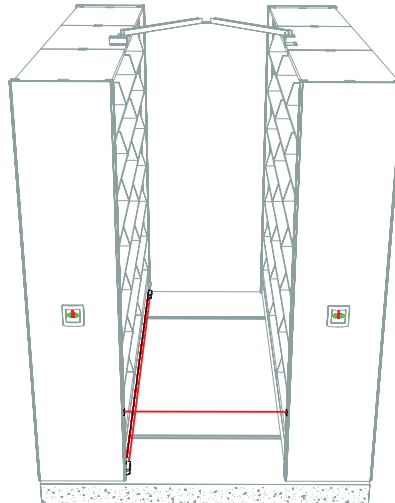
MID LINE

Photo Sweep[®] with Aisle Entry

Uses the same infrared photoelectric technology but adds the security of aisle entry sensors.

BENEFITS:

- The invisible beam transmits across the open aisle preventing an aisle from closing when it is broken by a user during movement.
- Design flexibility that allows an opening to open to the full width and lock in position after a user has entered it.
- Should a user enter a closing aisle, the system will stop all carriage movement.
- Aisle lock out with manual reset assures visual check of open aisle before being reset for activation.
- Photo sweeps and aisle entry provide for zero activation pressure.



TOP LINE

Zero Force Sensor[®] (ZFS[®]) System

ZFS provides a completely "passive" method of protecting people and objects in the open aisles of mobile storage systems.

BENEFITS:

- ZFS is a microprocessor controlled infrared photoelectric system that requires no conscious effort or weight pressure to stop or prevent carriage movement when a person or an object is detected.
- Detects people, wheelchairs, carts, stools, and books on the aisle floor.
- Immediately stops the carriage movement into a closing aisle should a user enter it as it is closing.
- Provides for automatic reset.

