

TECH DATA

POWERED SYSTEMS OPERATIONS

Aisle Entry Sensor

Spacesaver's aisle entry sensor uses photoelectric technology to provide a passive safety system that automatically stops or prevents carriage movement when a user enters an aisle.

BENEFITS

1. Design flexibility that allows an opening aisle to continue to open to the full width and lock in position after a user has entered it.
2. Should a user enter a closing aisle, the system will stop all carriage movement and that aisle will need to be reset to resume operation.
3. Manual reset at the opened aisle provides additional safety by prompting users to visually check the open aisle before resetting the system.
4. Solid state circuitry ensures long term system reliability.

DESIGN AND CAPABILITIES

Aisle entry sensor's photoelectric beams, mounted at each aisle on the edge of the system's face panels 20" (508 mm)* from the base, provide user protection that requires no conscious effort or thought.

The invisible beam transmits across the open aisle and locks the aisle open, preventing an aisle from closing when it is broken by a user entering that aisle.

The interrupted beam activates a flashing red LED light on the affected aisle's control panel to remind users to manually reset the system by pressing the "RESET" button to resume normal operation. A new aisle cannot be opened until the system is reset at the open aisle during normal aisle usage.

APPLICATION

Aisle entry sensors are available on all Spacesaver powered carriage systems.



TECHNICAL SPECIFICATIONS

AISLE ENTRY SENSOR:

Each potential aisle shall have an infrared photobeam mounted 20" (508 mm) from the base of the face panel which transmits across the open aisle. If the beam is blocked or interrupted when an aisle is closing, the system shall stop carriage movement. Should a user enter an opening aisle, carriage movement for that aisle will continue until the aisle is fully opened. The safety then activates, preventing further carriage movement until the open aisle is reset. Should a user enter an aisle that has been reset, the system shall activate, preventing carriage movement. Should the aisle be closing when someone enters it, the carriage movement at that aisle stops immediately. All other carriages will come to a controlled, ramped stop. The LED indicator on the carriage adjacent to the closing aisle will flash red one time per second, while the LED indicators on all other carriages remain steady red. The aisle must be cleared and the "RESET" button must be depressed on the control head with the flashing red LED indicator. The aisle entry sensor system shall be wired in a failsafe configuration and be totally solid state construction.

* Specifications subject to change.

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