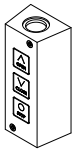
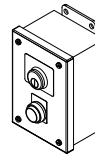


Controls



**Push-Button**

3-button open-close-stop control, surface or flush mount, interior or exterior enclosures - available with mortise cylinder key lockout



**Key Station**

Key operated open-close control with stop button, surface or flush mount, interior or exterior enclosures - mortise cylinder available with special keying/cores



**Radio Control Transmitter / Receiver**

Wireless single or multiple button hand-held transmitter with receiver (wired to motor operator) to open and close the door (requires the door be provided with a monitored sensing device)



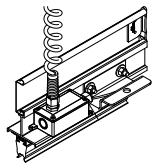
**Digital Keypad**

Wireless digital keypad transmitter, surface mount, interior/exterior enclosure, with receiver (wired to motor operator) - or hard-wired wall/pedestal mount unit - to open and close the door (requires the door be provided with a monitored sensing device)

Per the requirements of UL Standard 325-2010, door operators must be provided with an actuating device requiring constant pressure to close the door. As an alternative, the door may be provided with a monitored sensing device that will reverse the door upon sensing an obstruction during closing.

Primary Monitored Sensing Devices\*

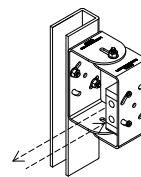
CONTACT TYPE SENSING DEVICE



**ELR Sensing Edge (A2530L-M / A1525-M)**

Extruded rubber dual-chamber profile with integral isolated conductive elastomer switches terminated end-of-line that compress when contacting an obstruction to signal the motor operator to reverse the door (shown with wired coil cord connection - available with wireless edge connection)

NON-CONTACT TYPE SENSING DEVICE



**Reflective ELR Sensor (SRPE)**

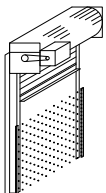
ELR sensor on one side of the door, reflector on the opposite side, senses an obstruction between them and signals the motor operator to reverse the door (requires connection to the motor operator from the sensor side only).

**NOTES:**

1. The use of multiple monitored devices (sensing edge and reflective sensor) is recommended to provide a higher level of protection.
2. Sensors must be installed 6 inches above the floor when they are the primary monitored sensing device (cannot be the primary device on doors over 35 ft. wide).
3. If a UL 325-2010 compliant motor operator detects a fault condition in the monitored sensing system, it causes a closing door to return to the fully open position, and automatically changes to a constant pressure close function to allow temporary operability until the fault condition is repaired.

\*A field installed Monitored Sensing Device Adapter is available to allow the use of monitored sensing devices on older operators without a monitoring function (pre-UL325-2010 w/ AC controls)

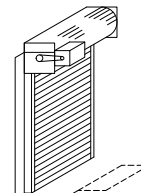
Secondary Sensing Devices



**Light Curtain**

70" high-40 beam emitter/receiver unit at each side of the door, senses an obstruction between the optics and signals the motor operator to reverse the door (requires connection to the motor operator from both sides of the door).

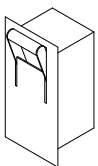
*In some cases, a light curtain can function as a monitored device.*



**Vehicle Loop Detector**

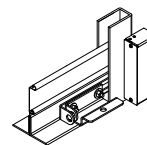
Rectangular shaped in-ground wire loop detects vehicles near or on the loop and signals the motor operator to either open, hold open, close, or reverse the door (multiple loops can be utilized to provide multiple functions)

Accessories



**Egress Device #**

Flush mount enclosure with extended handle to activate partial opening of an unlocked grille or closure for emergency exit (available with MGRL and MGH motor operators - grille/closure must have springs designed for egress function)



**Guide Mounted Interlock**

Electrical interlock switch mounted to door guide(s) to prevent motor operator from opening door with locks engaged (not required on MGRL, FGRL and FSML motor operators with internal lock sensor)

# Gateway Doors and Grilles that automatically open upon alarm or power loss to provide egress are also available.

Modifications

- Extra open/close limit switches
- Audible, visual & voice warning devices
- Non-resettable cycle counter
- Battery back-up
- Adjustable re-close timer
- Programmable 7 day timer
- Timer defeat switch
- Remote/wall mount control panel
- NEMA 4 (water, oil and dust tight)
- NEMA 4X (corrosion resistant)
- NEMA 7/9 (hazardous area "explosion proof")
- NEMA 12 (oil and dust tight)

NOTE: All devices - unless shown as being wireless - require connection to the motor operator.