ELECTROHYDRAULIC/PNEUMATIC ACTUATORS & ACCESSORIES

7910 & 7920 Series

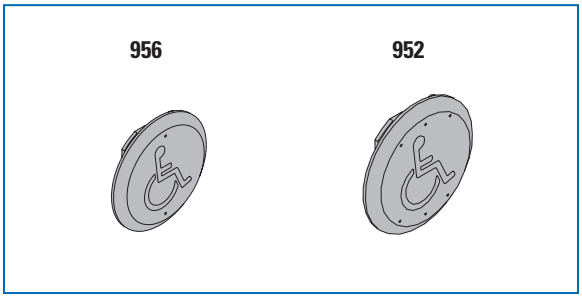
The actuators and accessories on the following pages (7910 & 7920 Series) are to be used only with LCN electromechanical power operators. When using actuators supplied by others, such as card readers, consult the factory.

The desired function, traffic patterns and physical design of the opening will determine the type of actuators used. Generally, for two-way traffic, an actuator is required on both the interior and exterior side of the door. Each actuator is packaged with a decal to be applied to the controlled door. Scanners operate on 12V DC or 24V DC and may be powered by the LCN 4600 series operator or 7900 series control box, unless otherwise noted. Actuators provide normally open (N.O.) dry contacts.

Note: the following actuators and accessories are to be used with LCN electrohydraulic and pneumatic power opperators (2600, 4600 & 4800 Series).

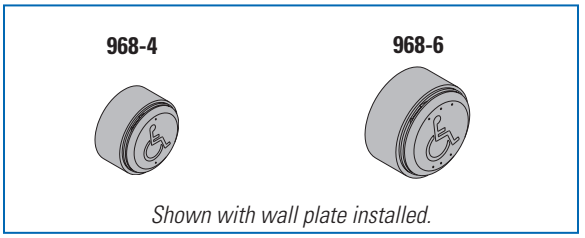
WALL PLATE ACTUATOR, 7910-956(4 1/2")/7910-952(6")

Hardwired low voltage actuator with round, stainless steel touch plate in either 4 1/2" (114mm) or 6" (152mm) diameters. Engraved blue filled handicap symbol conforms to most accessibility codes. Designed to mount in 7910 series flush or surface mounting boxes (ordered separately) in/on a vertical surface near the controlled door. Optional mounting in single gang electrical box (by others) for 7910-956 or double gang box (4" x 4") by others) for 7910-952. Heavy industrial grade components provide vandal resistant mounting and weather resistant switch standard.



SURFACE MOUNT BOX, 7910-968-4/7910-968-6

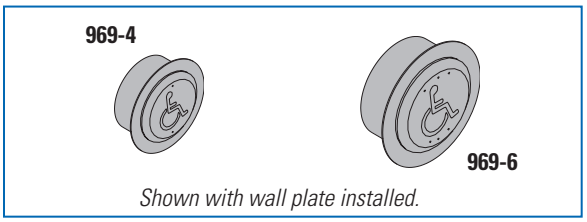
Surface mount box for 4 1/2" or 6" round wall plate switches. Heavy-duty design allows fast installation and provides vandal resistant mounting. Includes required fasteners and special sealing plate for weather resistant installations. Wall plate actuator not included.



Shown with wall plate installed.

FLUSH MOUNT BOX, 7910-969-4/7910-969-6

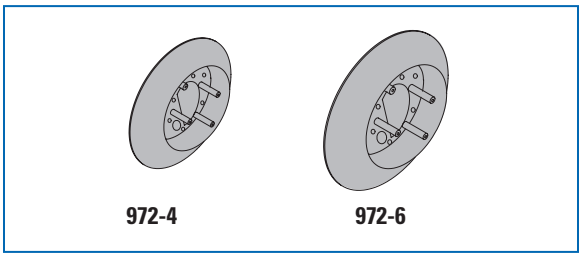
Flush mount box for 4 1/2" or 6" round wall plate switches in drywall construction. Heavy-duty design allows fast installation and provides vandal resistant mounting. Includes drywall bracket, required fasteners and special sealing plate. Wall plate actuator not included.



Shown with wall plate installed.

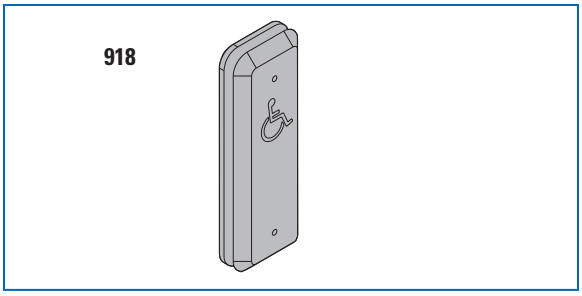
ESCUTCHEON, 7910-972-4/7910-972-6

Tapered metal escutcheon covers the gap between the wall and the back of wall plate actuators when mounted in electrical boxes (by others) to minimize cart damage or vandalism. Use 7910-972-4 for 7910-956 actuator, use 7910-972-6 for 7910-952 actuator.



JAMB MOUNTED ACTUATOR, 7910-918

Hardwired low voltage actuator with rectangular stainless steel touch plate, 1 1/2" (38 mm) wide by 4 3/4" (121 mm). Engraved blue filled handicap symbol conforms to most accessibility codes. Designed to mount in a frame cutout (template provided) projecting approximately 1/2" (12 mm) from the frame or surface mount box, 7910-919 (sold separately). Heavy industrial grade components provide vandal resistant mounting and weather resistant switch standard.



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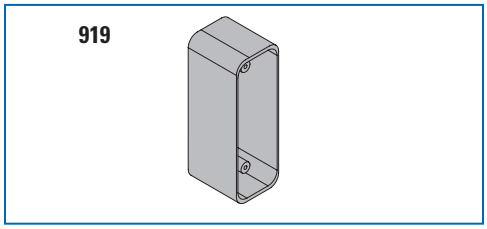
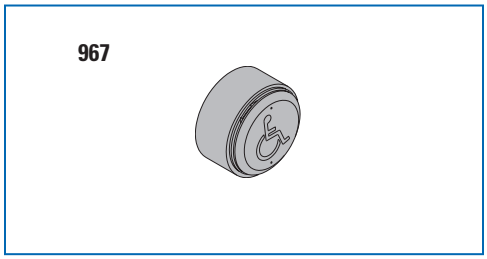
ELECTROHYDRAULIC/PNEUMATIC ACTUATORS & ACCESSORIES
7910 & 7920 Series

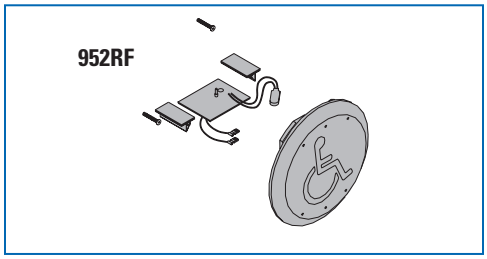
SURFACE MOUNT BOX, 7910-919
Surface mount box for 7910-918 rectangular wall plate switch. Heavy-duty design allows fast installation and provides vandal resistant mounting.



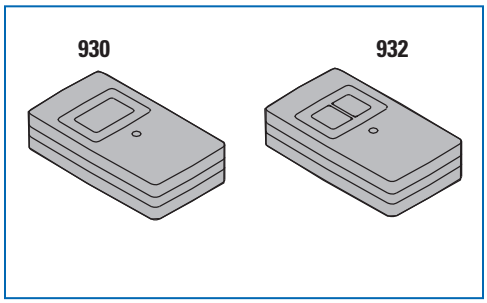
SURFACE MOUNT RF ACTUATOR, 7910-967
Wireless, 9V battery powered RF actuator for use with 7910-931 series receivers. Round, surface mount box comes complete with 4 1/2 (112mm) stainless steel touch plate, with engraved and blue filled handicap symbol. Heavy industrial grade components and special gasketing provide weather resistant installation. See ACTUATOR NOTES 1 and 3 (page 195).



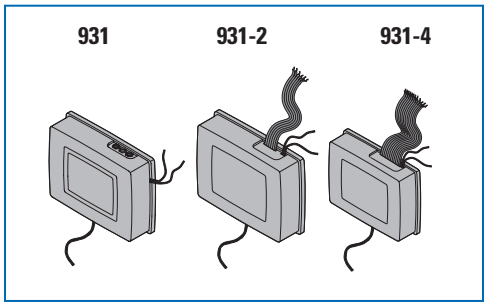
RF ACTUATOR KIT, BOLLARD MOUNT,7910-952RF
Wireless, 9V battery powered RF actuator kit with round, stainless steel 6" (152 mm) diameter touch plate. Engraved blue filled handicap symbol conforms to most accessibility codes. Kit to be mounted in a 7910-966 bollard post (order separately) includes transmitter assembly, wire harness and touch plate/battery holder assembly. Heavy industrial grade components provide long service life and a weather resistant installation. See ACTUATOR NOTES #3 (page 195).



HAND-HELD RF (WIRELESS) ACTUATOR, 7910-930/7910-932
Wireless, 9V battery powered actuation system consists of a short range radio (garage door type) transmitter and a matching receiver (ordered separately). 7910-932 offers two channels for multiple receiver systems. Actuator system may also be used to activate a closer/holder release mechanism, contact LCN for details.



RF RECEIVER, 7910-931/7910-931-2/7910-931-4
For use with 7910 series RF actuators, locate actuator and receiver so maximum line-of-sight distance does not exceed 50 feet (7.6 m) for best performance. 7910-931 has single channel capability, 7910-931-2 has two channel capability and 7910-931-4 has 4 channel capability. The 7910-931- 4 is particularly well suited to sequential vestibule operations where four separate functions are required and wireless actuation is desired. Input voltage 11-24V DC or 12-16V AC @ .040 amp. Maximum two receivers per 7900 Series control box.



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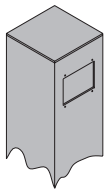
7910 & 7920 Series

BOLLARD POST, 7910-966

6" square aluminum bollard post for mounting hardwired 6" wall plate actuator 7910-952 (sold separately). Can be configured as a wireless RF actuator by installing 7910-952RF actuator kit with a 7910-931 series receiver. Standard bollard post height is 36" and includes mounting base. Dark bronze finish available on special order.

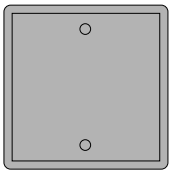
966



TOUCHLESS ACTUATOR, 7920-913

Ideal for clean rooms or similar "hands free" applications. Operator system is triggered by movement near the face of the actuator. Uses the same high performance K-band technology as the 7920-954 motion detector with detection distance adjustable from 1" to 24". Actuator mounts in double gang electrical box (by others) and has a 5" wide by 5 1/2" high, black Plexiglas cover.

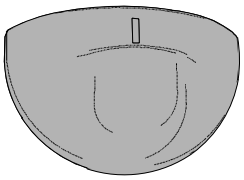
913



MOTION SENSOR, 7920-954

High performance, K-band microwave sensor detects objects approaching or moving away from the sensor. One way detection can be selected during installation. Maximum mounting height is 10' above floor on door header, wall, or ceiling. Wide zone (13' wide by 6 1/2' deep) detection pattern is standard but optional narrow zone (6 1/2' wide by 8 1/4' deep) can be selected during installation. Sensor can be adjusted using hand-held remote control. For sensors mounted on pull side of the door, refer to ACTUATOR NOTES #2 (page 195). Sensor requires a separate 12V or 24V AC/DC @ 2 watts power supply when used with pneumatic control boxes. Matte black finish

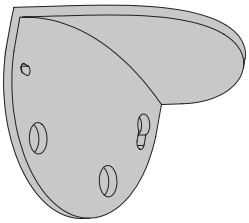
954



WEATHER COVER, 7920-954WC

For unsheltered exterior mountings use weather cover. Consult factory.

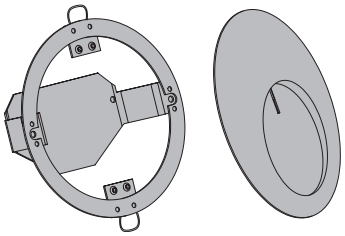
954WC



DROP CEILING MOUNT, 7920-954ECA

Ceiling mounting plate used to accommodate false ceiling mountings. Consult factory.

954ECA



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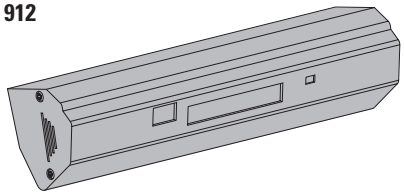
7910 & 7920 Series

SAFETY SENSOR, HEADER MOUNT,7920-912

Protect people on the swing side of the door with an advanced, active infrared technology presence detector. This sensor verifies that people are not in the swing path of the door, even if they are stationary, before allowing the door to open. It also verifies that the opening is clear before allowing the door to close from the open position. Six selectable patterns accommodate wide or narrow; center, left or right detection zones. Microprocessor automatically learns and adapts to site's environmental conditions. 12" x 3" x 2 1/2" Black matte finish. **7920-959 Sensor remote control is required to make adjustments.**

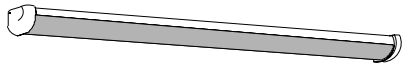
912



SAFETY SENSOR, DOOR MOUNT, 7910-904-1/7920-904-2

For maximum protection of an automated swing door, presence detection must move with the door. Mount a 7920-904 on both sides of the door to protect the leading edge during the entire opening/closing cycle. If a person is detected, the system will not allow the door to open or close. Advanced active infrared technology will protect the leading edge with the 7920-904-1 or the optional 7920-904-2 will protect the entire face of a typical 36" door. Detection distance can be adjusted from 2'3" up to 8' 2" for extra tall doors. Sensor includes required mounting hardware and surface wiring door loop. For concealed wiring use a Von Duprin EPT-10 and required special door preps. 34 3/4" x 1 3/4" x 1 3/4" Black matte finish.

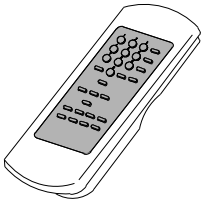
904-1
904-2



SENSOR REMOTE CONTROL, 7920-959

Hand-held remote control can adjust settings on the 7920-954 motion sensor without removing the sensor cover. Maximum range 10'. **Required to adjust 7920-912 Safety Sensor.**

959



ACTUATOR NOTES

1. Actuators are generally mounted between a minimum of 15" up to 48" maximum height or as specified in local codes. 36" recommended if no other guidelines available.

2. Position sensor actuators so the scanned area is outside the sweep of the door to avoid actuation by the motion of the door.

3. RF transmitters are powered by a 9V battery, which requires annual replacement under normal usage. Use heavy duty alkaline battery for best performance. Must be used with LCN 7910 series RF Receiver. Locate actuator and receiver so maximum line-of-sight distance does not exceed 50 feet (7.6 m).

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