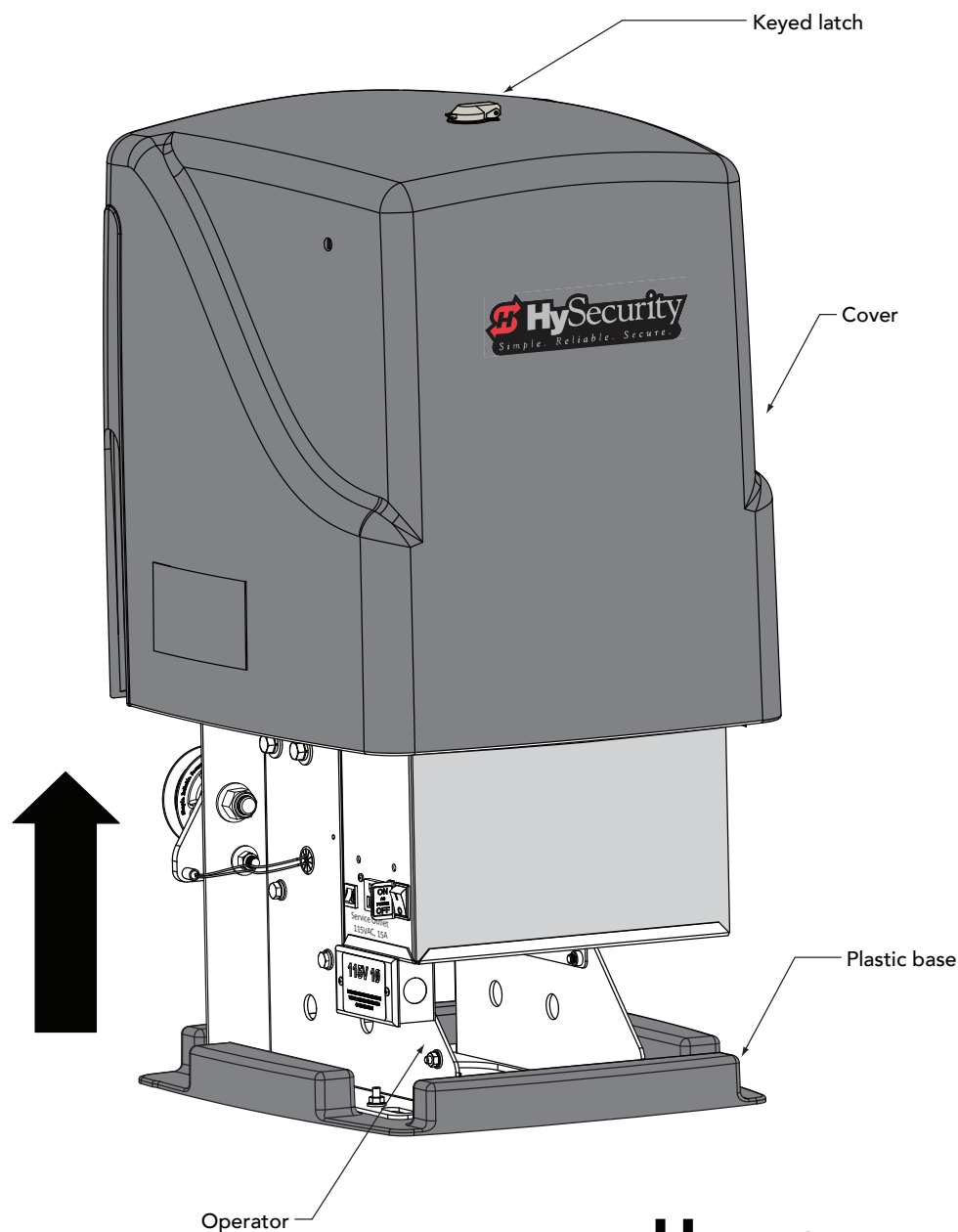




QUICK START STEPS



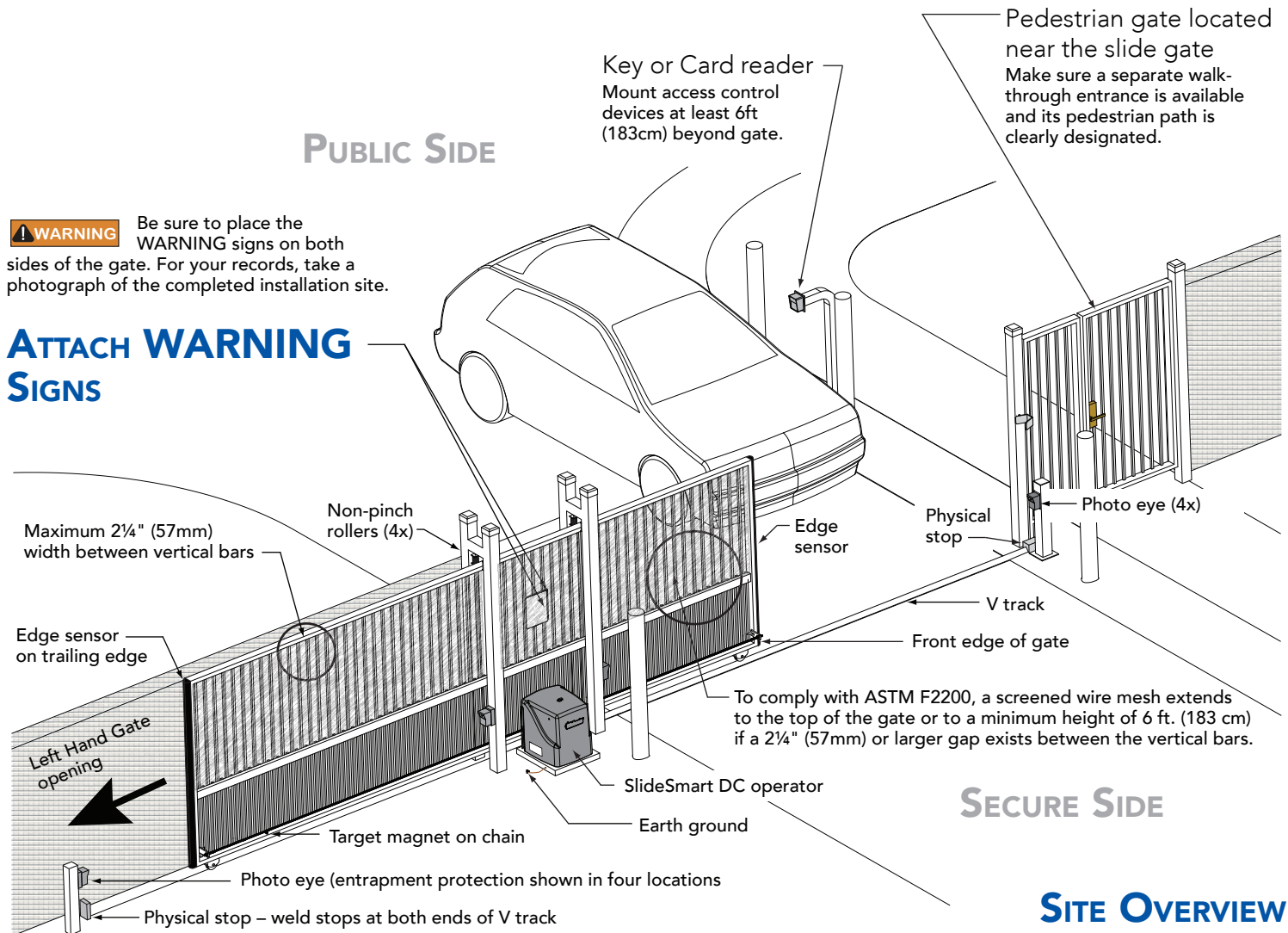
**UNPACK
THE OPERATOR**

2 SITE PLANNING AND OPERATOR INSTALLATION

The illustrations and instructions presented in this guide provide a quick overview of the SlideSmart installation process. For more detailed steps, refer to the *SlideSmart DC Installation and Reference Manual*.

IMPORTANT: When installing the operator, be sure to comply with all local government regulations and codes, and read the *Important Safety Instructions* found in the manual.

! DANGER Turn OFF AC power at the source (circuit breaker panel) before installing the operator. Follow facility Lock Out / Tag Out procedures. Make sure both the DC and AC power switches on the Control Box are in the OFF position. Refer to step 8.



SITE OVERVIEW

Recommended Entrapment Protection shown

SLIDE SMART OPERATORS

SLIDE SMART DC 15

Duty cycle: continuous

Power, Single phase: Switch selectable
115 volts, 3 amps, 50/60 Hertz
230 volts, 1.5 amps, 50/60 Hertz

Motor: 1/2 hp

Maximum gate weight: 1500lbs (680kg)

Gate Speed: 1ft/s

Solar Model: SlideSmart DCS 15

NOTE: for SlideSmart DC Solar operates, refer to www.hysecurity.com

SLIDE SMART DC 10F

Duty cycle: continuous

Power, Single phase: Switch selectable
115 volts, 3 amps, 50/60 Hertz
230 volts, 1.5 amps, 50/60 Hertz

Motor: 1/2 hp

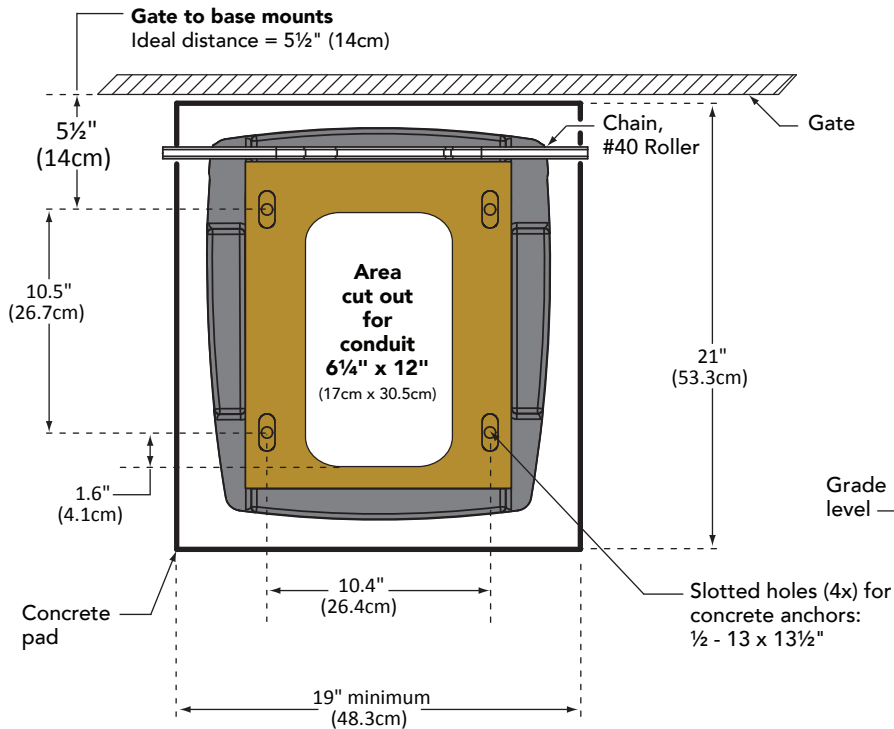
Maximum gate weight: 1000lbs (454kg)

Gate Speed: 2ft/s

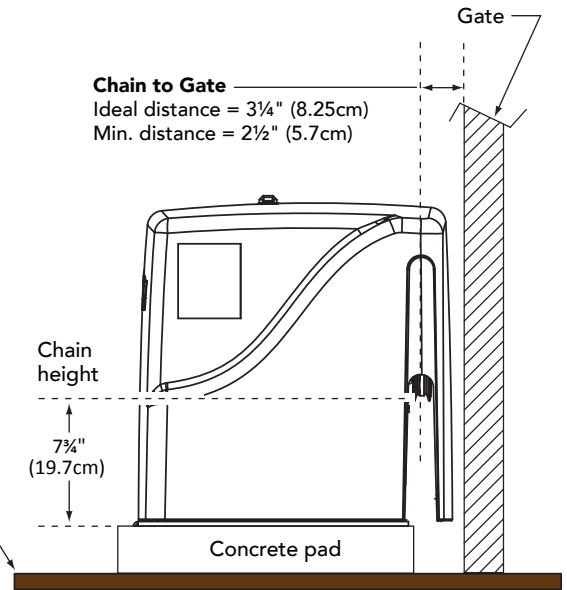
Solar Model: SlideSmart DCS 10F

3 OPERATOR & EARTH GROUND INSTALLATION

CONCRETE PAD DIMENSIONS

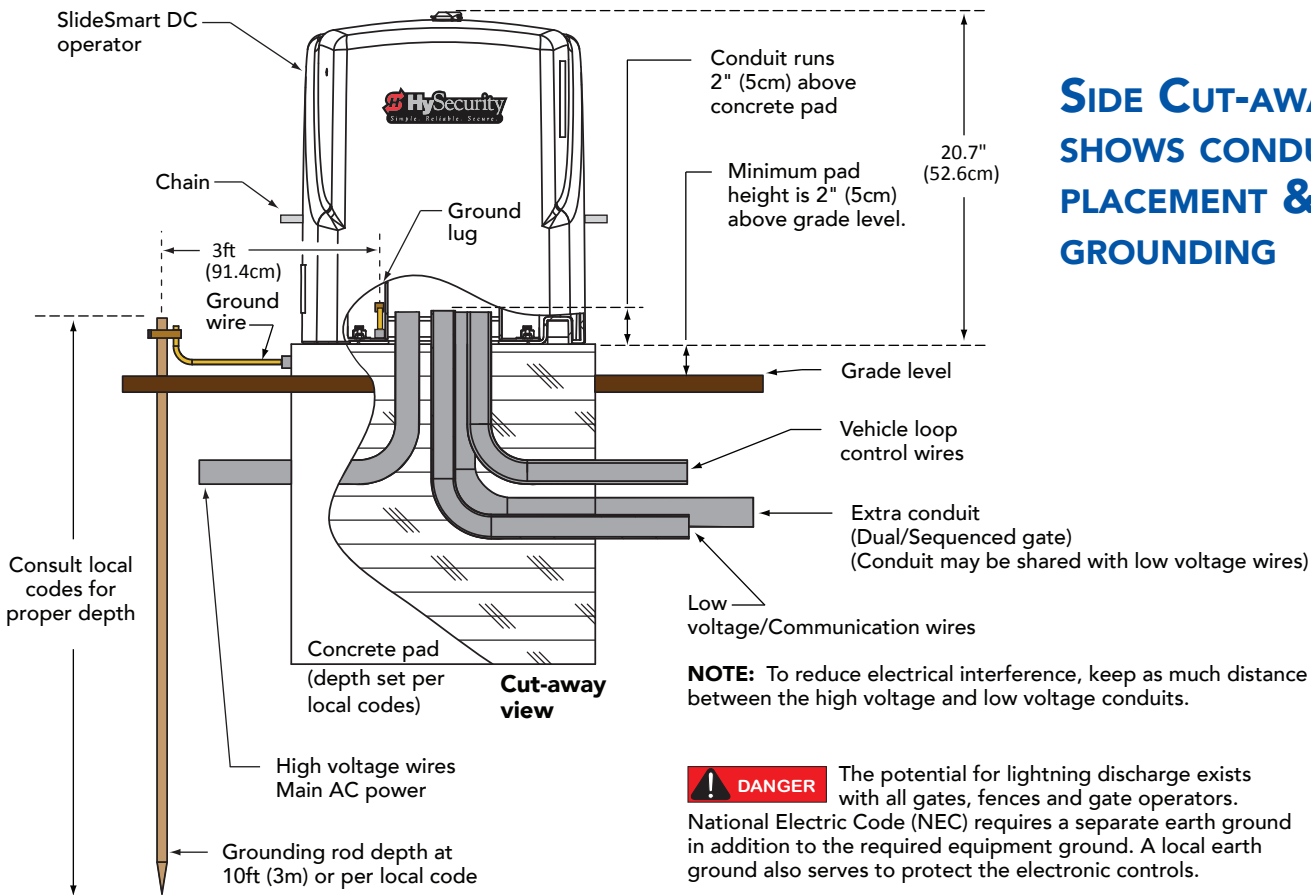


MOUNT THE OPERATOR



SIDE VIEW

NOTE: Operator footprint with covers is approximately 18" square (45.7cm).



SIDE CUT-AWAY VIEW SHOWS CONDUIT PLACEMENT & GROUNDING

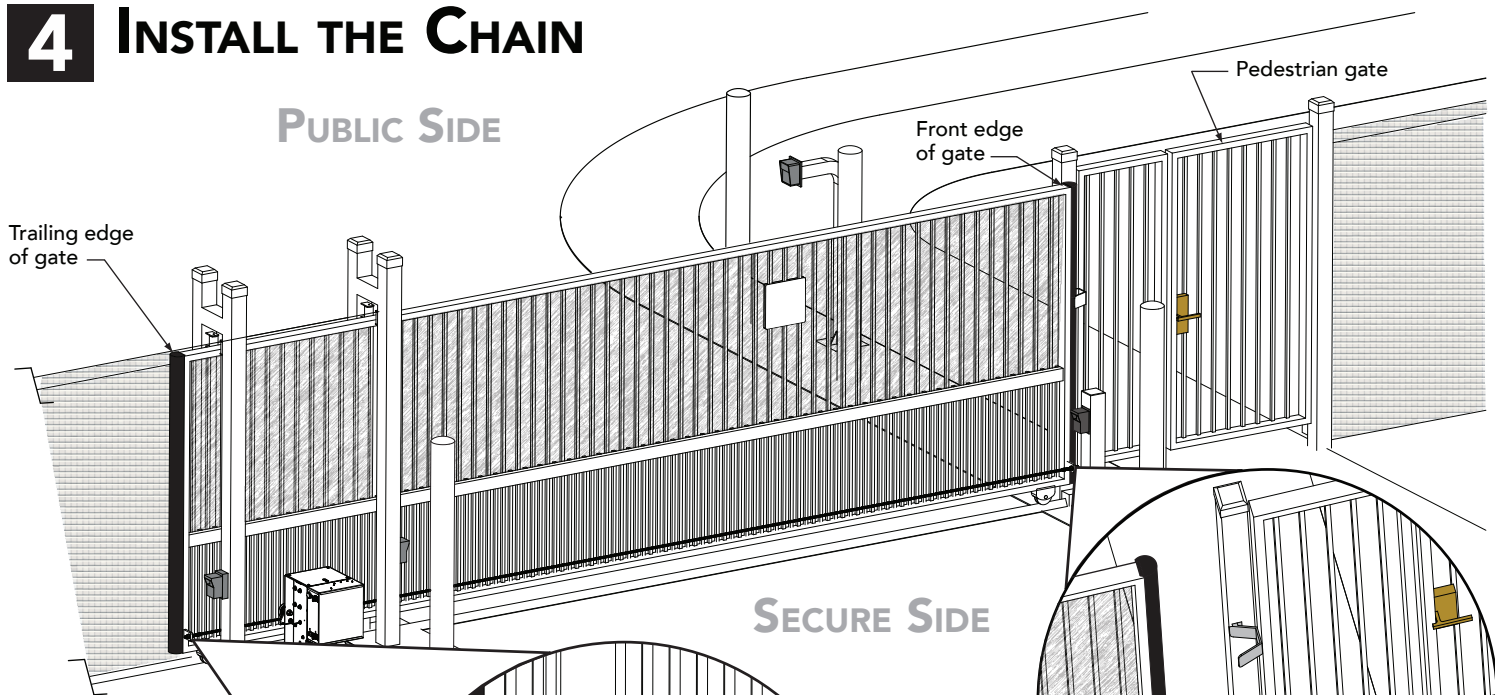
NOTE: To reduce electrical interference, keep as much distance as possible between the high voltage and low voltage conduits.



DANGER

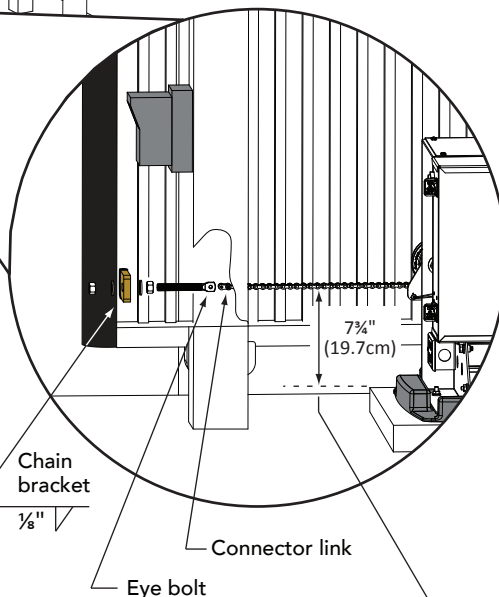
The potential for lightning discharge exists with all gates, fences and gate operators. National Electric Code (NEC) requires a separate earth ground in addition to the required equipment ground. A local earth ground also serves to protect the electronic controls.

4 INSTALL THE CHAIN



INSTALL THE CHAIN BRACKETS

1. Measure for proper chain alignment BEFORE welding the brackets to the gate. Make sure the chain will run horizontal to the ground and parallel with the gate.
2. Weld the chain brackets to gate. Two locations: front edge and trailing edge.
3. Attach the eye bolts to the brackets as shown.
4. Attach the connector link to the chain and eye bolt.
5. Feed the chain around the idler wheels and over the sprocket.
6. Adjust the nuts on the eye bolt to tighten the chain and minimize sag.



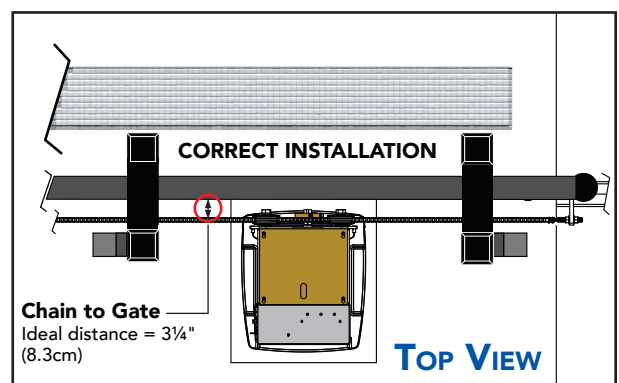
Measure chain height. Weld bracket to gate so chain remains horizontal and level.

Eye bolt

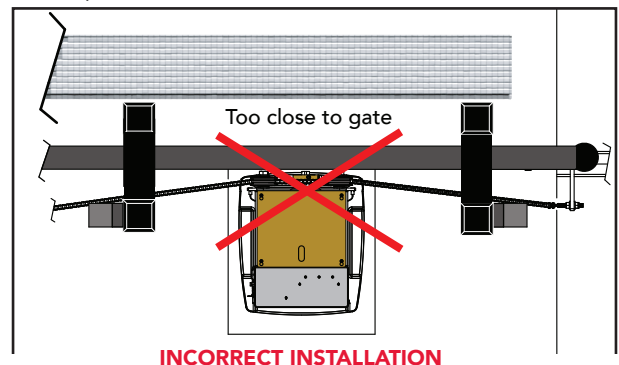
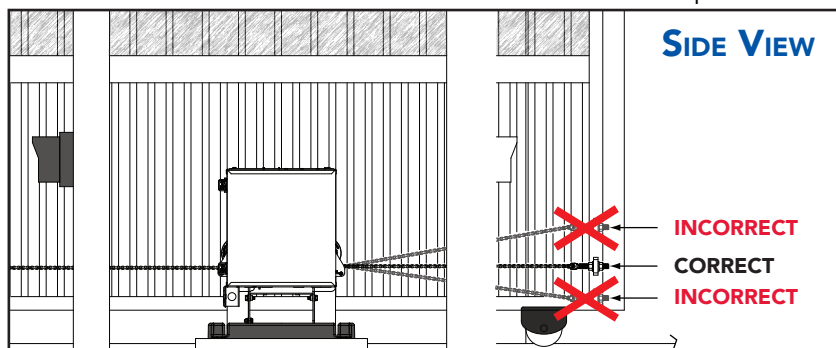
Chain bracket

INSTALL AND ALIGN THE CHAIN

Feed chain over sprocket. View illustration in step 7, also.



NOTE: For rear or post mounted installations, see *SlideSmart DC Installation and Reference Manual*.

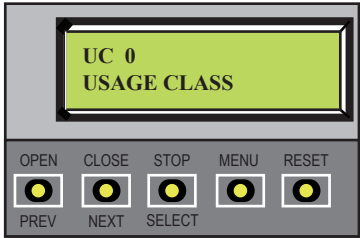


5 INITIAL SETUP MENU

Connect the red battery wire to its spade terminal. Turn ON DC power.

The USAGE CLASS menu display appears the first time power is applied. Five sequential displays present information which must be configured before SlideSmart will function.

To edit the MENU	To navigate through SELECTIONS	To choose what is on the display	To navigate between menus
Press SELECT. <i>Two top characters blink.</i>	Press NEXT. <i>Continue pressing NEXT to view all selections.</i>	Press SELECT. <i>Blinking characters become static.</i>	Press NEXT or PREV. <i>Advance – press NEXT Previous – press PREV</i>



- SELECTIONS
- 0 – No Usage Class set.
 - 1 – Single Family residential up to four units.
 - 2 – Multi-family, hotel, etc.
 - 3 – Industrial use, not for general public.
 - 4 – Guarded and monitored facility not for general public.



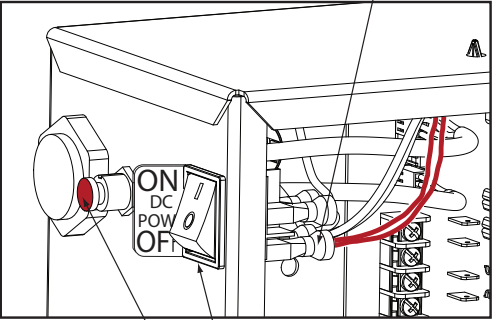
- SELECTIONS
- 0 – No handing set. Gate will not move until handing is set.
- Looking at the gate from the secure, operator side, choose:
- R – If the operator is on your right.
 - L – If the operator is on your left.



- SELECTIONS
- 0 – Not set.
- SlideSmart DC 15**
- 1 – Gate weight: 0 to 400lbs (0 to 181kg)
 - 2 – Gate weight: 401 to 800lbs (182 to 363kg)
 - 3 – Gate weight: 801 to 1100lbs (363 to 499kg)
 - 4 – Gate weight: 1101 to 1500lbs (499 to 60kg)

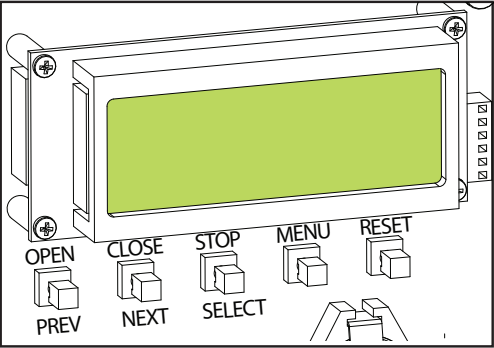
CONNECT THE BATTERY

Connect the red battery wire.



Emergency Stop Button

TURN ON DC POWER



SlideSmart DC 10F

- 1 – Gate weight: 0 to 400lbs (0 to 181kg)
- 2 – Gate weight: 401 to 800lbs (182 to 363kg)
- 3 – Gate weight: 801 to 1100lbs (363 to 499kg)
- 4 – Gate weight: 1101 to 1500lbs (499 to 60kg)

6 LEARN LIMITS



Hold the OPEN button until the gate slides to full open. Release the OPEN button. Note that if you go too far, you can press CLOSE to reverse direction. Press STOP twice to preserve the open stop location in memory.



Hold the CLOSE button until the gate slides to full close. Release the CLOSE button and press STOP twice. The full close stop is retained in memory.

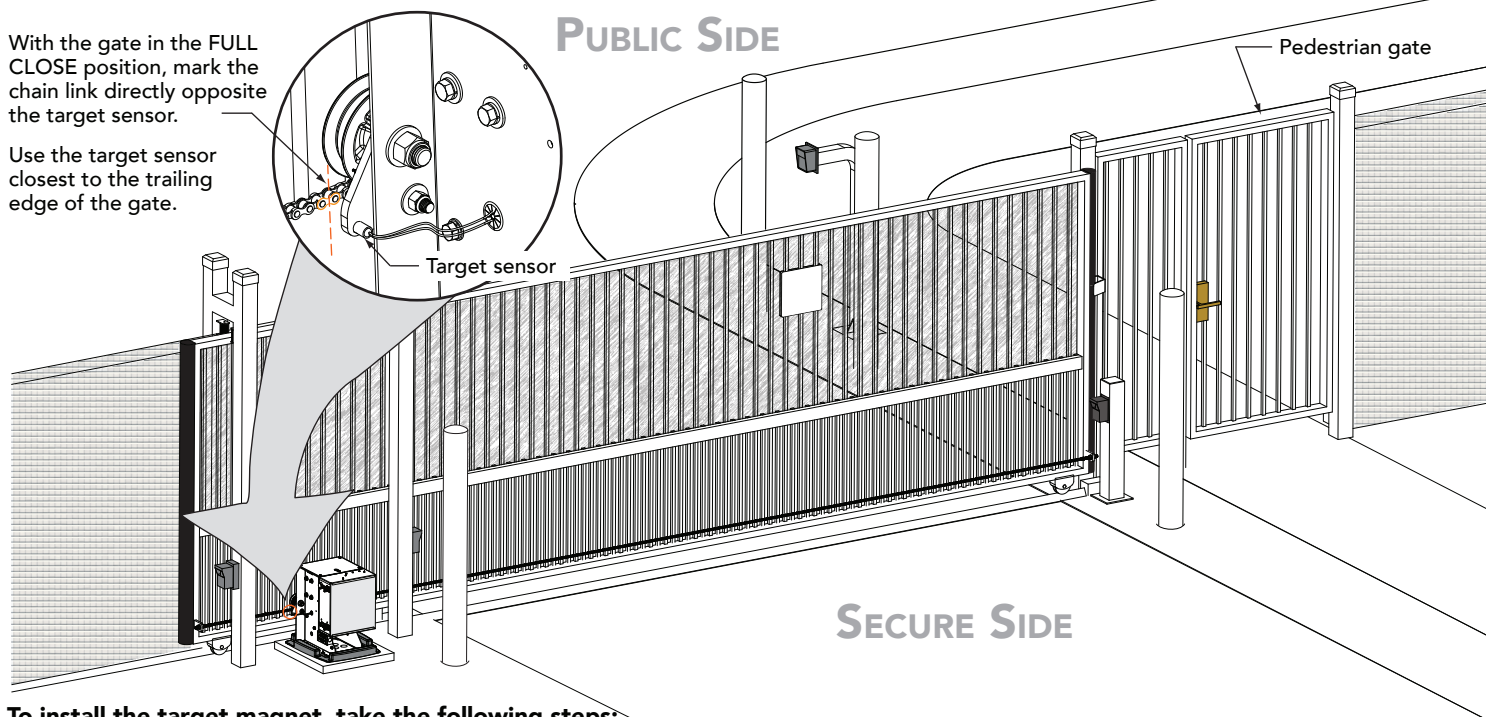


NOTE: GATE CLOSED appears on the display and ALERT 15 flashes until the target magnet is installed and its location stored in memory. See page 6, *Install the Target Magnet*.

7 INSTALL THE TARGET MAGNET

With the gate in the FULL CLOSE position, mark the chain link directly opposite the target sensor.

Use the target sensor closest to the trailing edge of the gate.

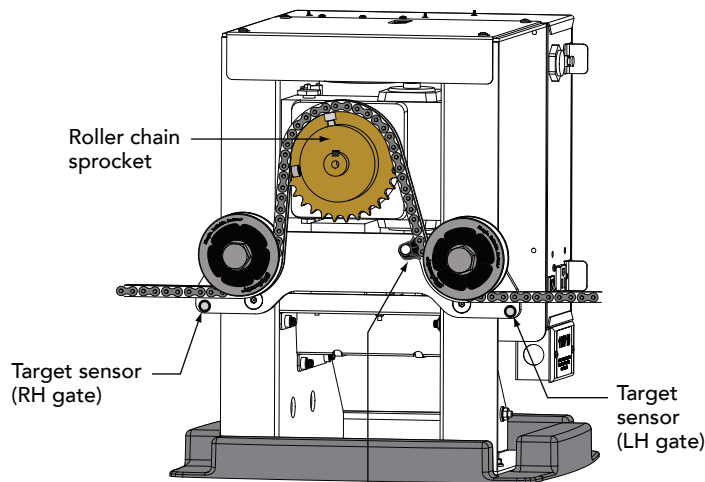
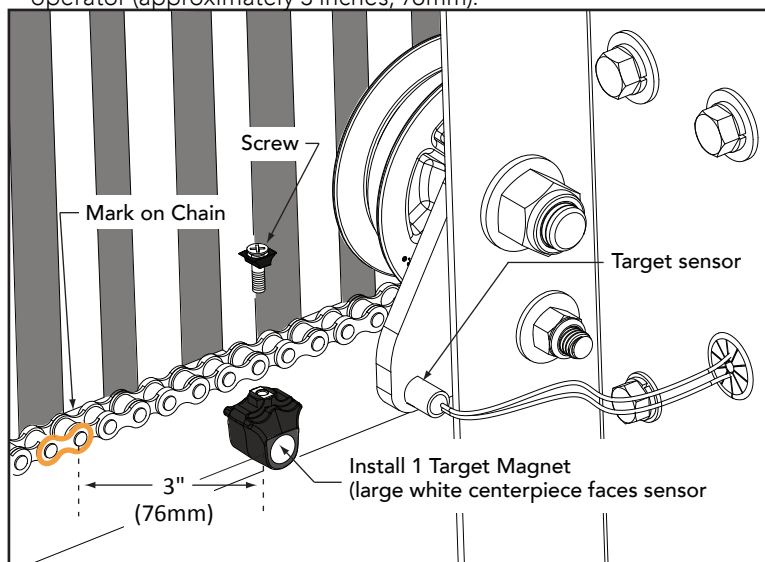


To install the target magnet, take the following steps:

1. With the gate closed, mark the chain link as shown in the illustration above.
2. Press the OPEN button to move the gate and chain a few feet and then press STOP.
3. Turn OFF the DC power switch (leave the AC power switch ON). Performing this step keeps the gate from moving accidentally while you install the target magnet.
4. Find the mark on the chain link and count about four (4) fixed links toward the operator (approximately 3 inches, 76mm).



CAUTION When the gate is CLOSED, the target magnet should stop between the target sensor and the roller chain sprocket. The target magnet **MUST NOT** enter the sprocket teeth.



Position of the target magnet when the gate is fully closed.

5. Remove the screw from the target magnet.
6. Fasten the target magnet to the chain link as shown in the illustration. Insert the screw and tighten it securely. To avoid damage to the idler wheel, the head of the screw must be flush with the chain rollers.
7. To allow gate movement, turn ON the DC power switch.
8. Test the application of the target magnet by pressing the CLOSE button. An audible beep is heard the first time the target magnet passes the target sensor. The limit sensor light on the Smart DC Controller also flashes red.

NOTE: Use one target magnet and make sure the target magnet activates. Toggle both power switches OFF and ON. The gate will move. When the target magnet passes the target sensor, limits are automatically restored. If LEARN OPEN appears on the display, the limits need to be re-established. Return to step 6 on page 5.

8 TURN OFF MAIN POWER AND CONTROL BOX SWITCHES, THEN CONNECT AC POWER

TURN POWER OFF

⚠ DANGER Turn OFF AC power at the source (circuit breaker panel) before accessing the wires in the SlideSmart junction box. Follow facility Lock Out / Tag Out procedures. Make sure both the DC and AC power switches are in the OFF position.

Place DC power switch in the OFF position.

Place AC power switch in the OFF position.

Service Outlet

⚠ WARNING DO NOT connect the 115VAC service outlet to 208 or 230VAC power supply wires! To use the 115VAC service outlet on a 208/230VAC installation, the electrician needs to run an extra neutral wire to the operator from the power source and wire the service outlet per cover.

115VAC wires for the Service Outlet

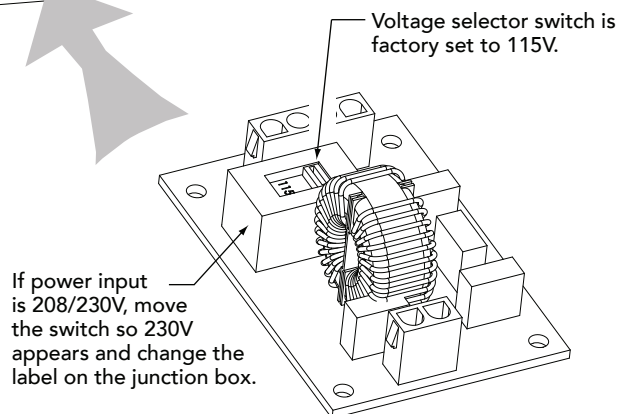
Junction box cover and label

Junction box

CONNECT THE POWER WIRES

1. Unscrew the two Phillips-head screws.
2. Remove the cover to the junction box.
3. Connect the AC power and ground wires with wire nuts.

⚠ CAUTION Wiring of gate operators must conform to NEC standards and comply with all local codes.



⚠ CAUTION When connecting to 208/230VAC on the AC power, the voltage selector switch on the AC power board must be moved to the 230V position or damage to the operator will occur and void the Limited Warranty.

9 CONNECT ACCESSORIES

All the accessories require a minimum of two connections on the Smart DC Controller:

- ♦ a device input
- ♦ a Common Bus Terminal (COM)

Other devices may require more connections or configurations. For example, the Fire Department (EMERG OPEN) input requires a +24-volt input. The connection must be activated by changing the settings through the Installer Menu. Refer to the *SlideSmart DC Installation and Reference Manual*.

