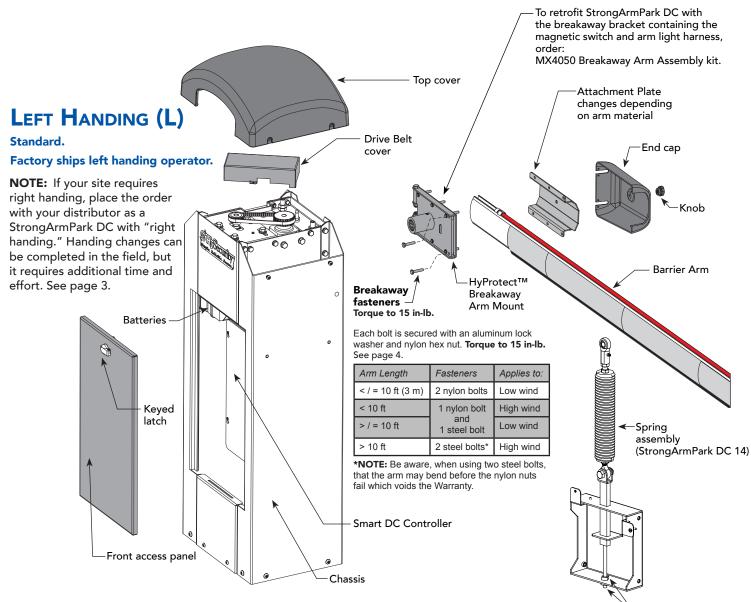
StrongArm**Park** QUICK START STEPS



StrongArmPark DC Breakaway Bracket Installation Video

To review the installation video, scan the QR code with your cell phone or click on the following link: http://bit.ly/breakawayinstall

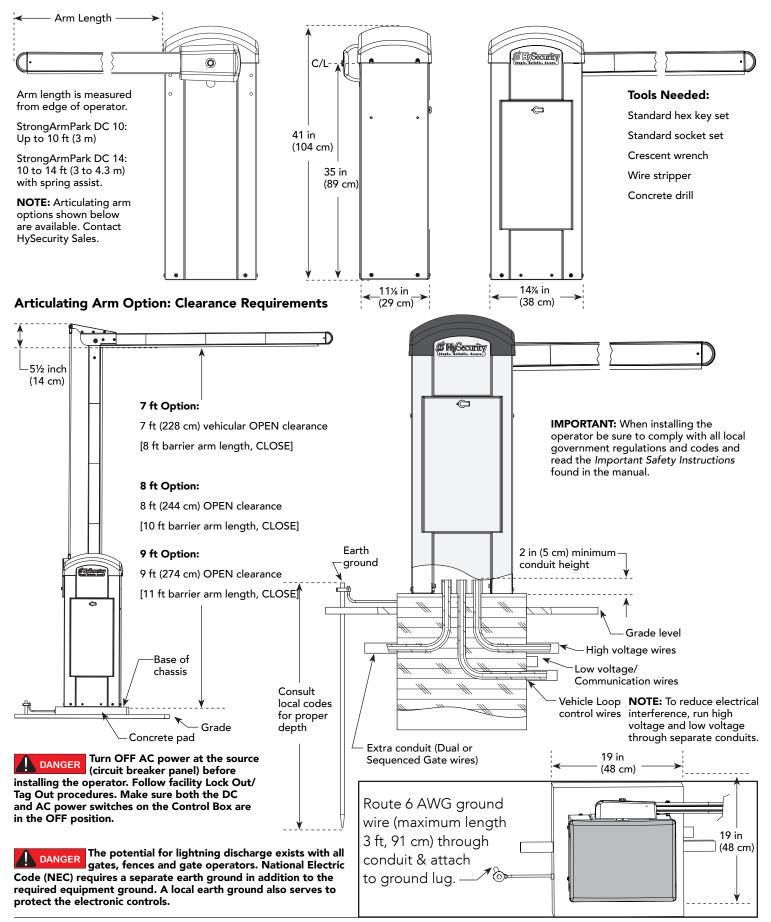




UNPACK THE OPERATOR

Tensioning nuts

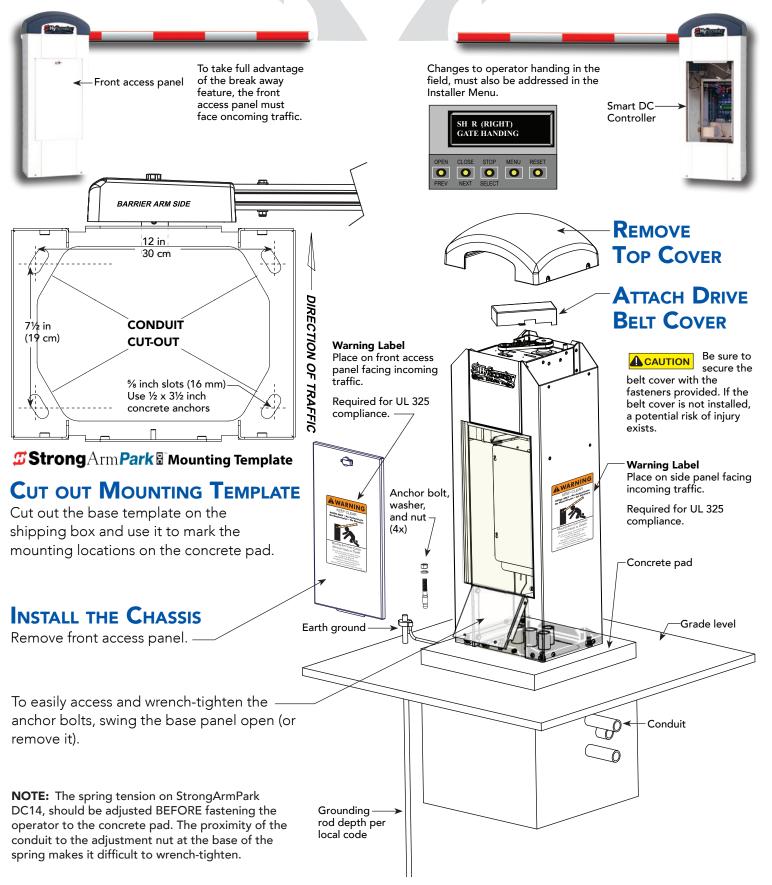
SITE PLANNING & OPERATOR INSTALLATION



2 REVIEW HANDING AND INSTALL THE CHASSIS

LEFT HANDING (L) Standard, Factory Default

RIGHT HANDING (R)



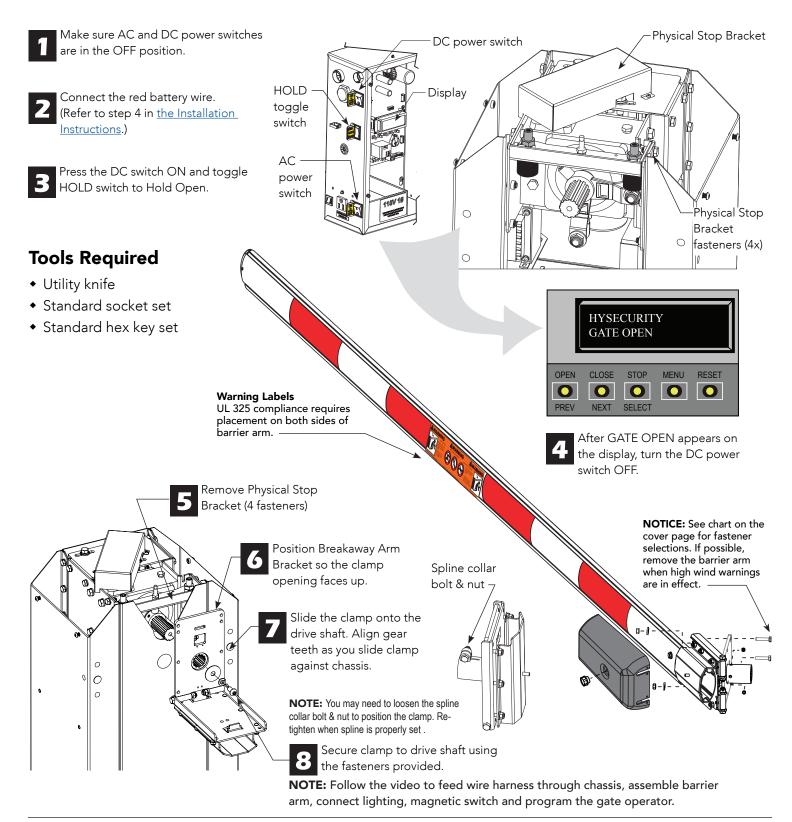
3 INSTALL THE BARRIER ARM

INSTALL THE HYPROTECTTM BREAKAWAY ARM MOUNT

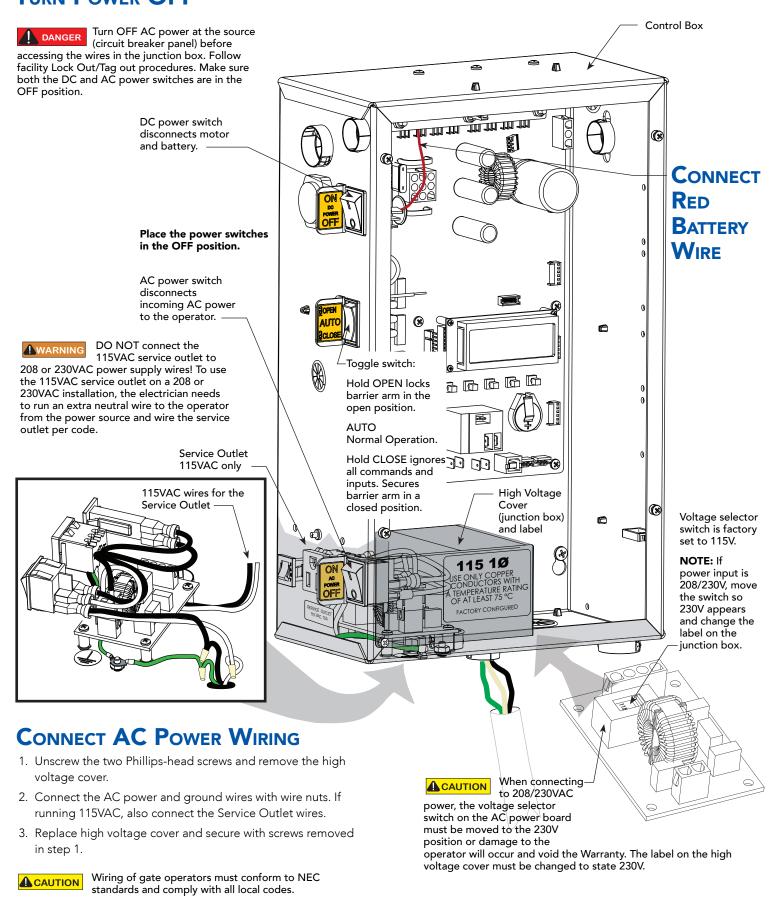
LEFT HAND OPERATOR (SHOWN) Standard shipment is L (left handing)

NOTE: For articulating arm assembly, see the instructions shipped with the articulating arm or <u>view online</u> with a registered account.

To review the installation video, click on the youtube video location: <u>https://youtu.be/AdTWNYcC-NU</u>



4 VERIFY POWER IS OFF, AND THEN CONNECT AC WIRES

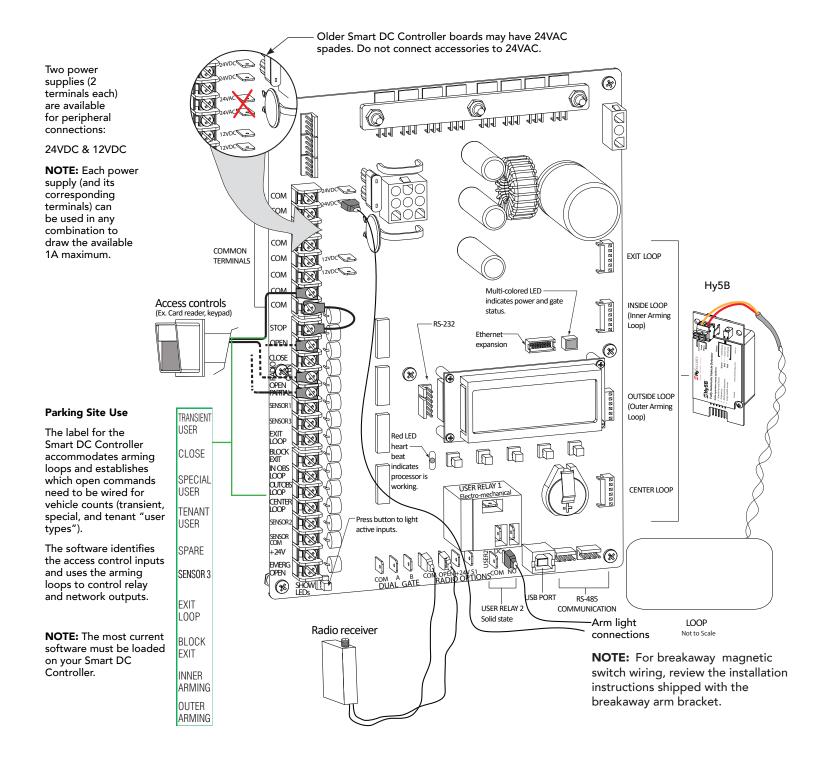


5 CONNECT ACCESSORIES

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

- A device input
- A Common Bus Terminal (COM)

NOTE: 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 setting through the Installer Menu. UL 325 - 2016 updates describing installation of external entrapment protection sensors can be found the <u>Programming &</u> <u>Operations Manual</u>.



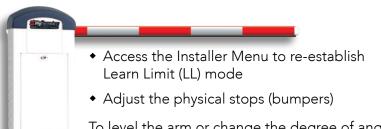
TURN ON POWER, LEVEL ARM & CONNECT LIGHTS

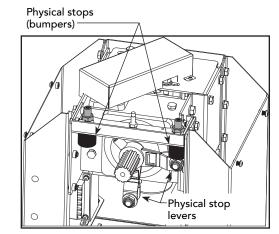
When both DC & AC power switches are in the OFF position and you turn them ON, the operator initiates a target search and the barrier arm travels open. No physical limit switches exist. The open and close limits are established by sensing the arm position. Even if AC power is lost and the batteries are fully drained, the limits remain intact. The only exception occurs when factory defaults are reinstated or the Smart DC Controller is replaced.

For more information, refer to the <u>StrongArmPark DC</u> Programming and Operations Manual.

LEVEL THE ARM & ADJUST PHYSICAL STOPS

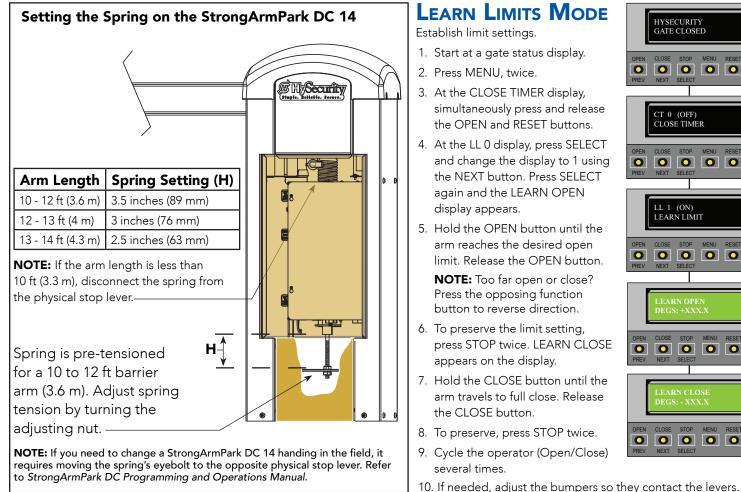
The limits are factory set at 90° and, if adjustments are needed, level the arm using the following procedures:

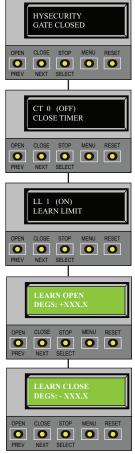




To level the arm or change the degree of angle, bumpers can be adjusted up or down using a 1/4" hex key and 3/4" open end wrench. At full Open or Close, the physical stop lever should lightly contact its physical stop (bumper).

To make adjustments to the arm position, the operator needs to be in Learn Limits mode.





www.hysecurity.com © 2017

7 CONNECT ARM LIGHTS TO SMART DC CONTROLLER

DC

Power

Switch

AC — Power

Switch

Review the installation video at the following youtube location: <u>https://youtu.be/AdTWNYcC-NU</u>

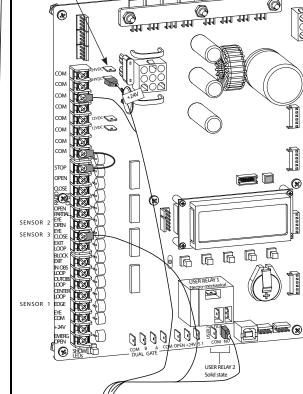
In a short 8 minutes, the installation video shows you how to:

- Install the breakaway arm bracket
- Connect the magnetic kill switch
- Connect the arm lighting and feed wire through the chassis to the controller (5:50 min)
- Program the controller, Installer Menu settings "R2" User Relay 2 and "BA" Breakaway switch.
- 1. Attach the end of the wire harness (on outside of chassis) to the LED light connector on the arm. The wire harness connector is
- keyed. Be sure to properly seat the connectors before threading close.2. Secure the harness to the chassis with
- the strain relief bushing.
- 3. Connect the one wire lead to the **24VDC** power supply terminal.
- Connect the other wire lead to the NO terminal on User 2 Relay.
- 5. Turn on both AC and DC power switches. Arm will cycle to search for the target home position.
- 6. When the arm has stopped moving, access the Installer Menu.
- 7. Set User Relay 2 logic function to one of the following:
 - R2 "27": LED lights remain on throughout arm travel and turn off when open limit is reached.
 - R2 "28": LED lights flash throughout arm travel and turn off when open limit is reached.

NOTE: Both selections will turn off the lights, which preserves battery life, in the event of AC power loss.

- 8. To turn on the magnetic proximity switch in the breakaway arm assembly, navigate to BA in the Installer Menu.
- 9. Select BA and change the menu item to 1.
- 10.Exit the Installer menu mode by pressing Menu and return to run mode.

If User Relay 2 is being used for accessory devices, you can connect the LED lighting wires directly to 24VDC and COM. Take note that this type of connection does not turn off the arm lights in the event of AC power loss and will drain the batteries quickly.

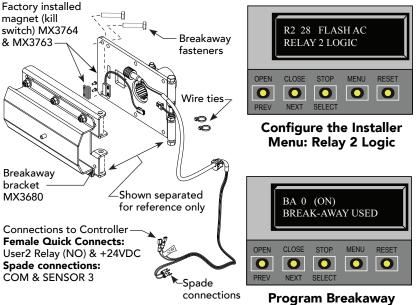


(R)

Connect to 24VDC

& COM

Connect Wire Leads for lights and Breakaway bracket "Kill" switch

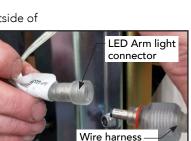


Wire Harness

Program Breakaway switch, if needed

COMPLETE THE INSTALL

- Refer to the installation manual to configure User and Installer Menu options such as gate speed, Close Timer, relay functionality, etc.
- When the operator is functioning properly, replace the operator's covers and secure the key latch.
- Review the Important Safety Instructions and the proper use of the barrier arm with the end user.
- Position WARNING labels per UL 325. Take photos of the barrier arm installation site.



connect Arm Light Cables