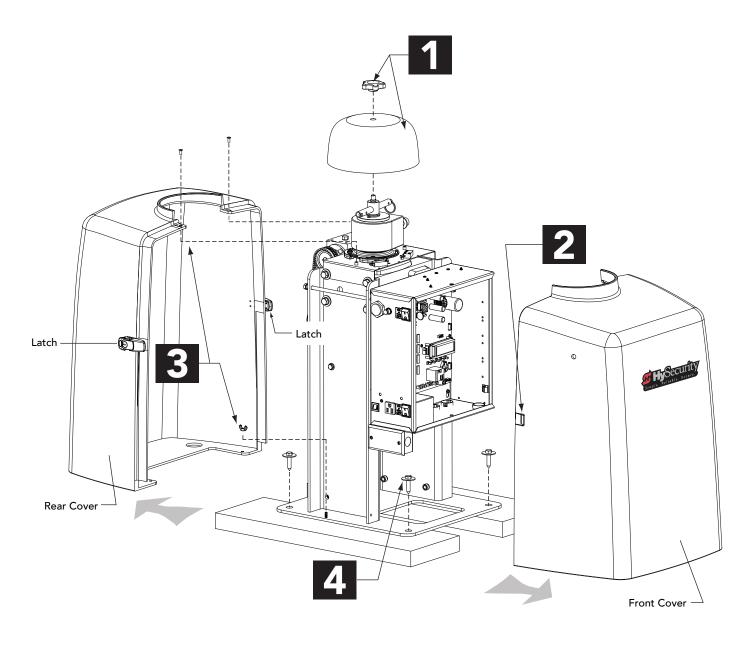


# QUICK START STEPS





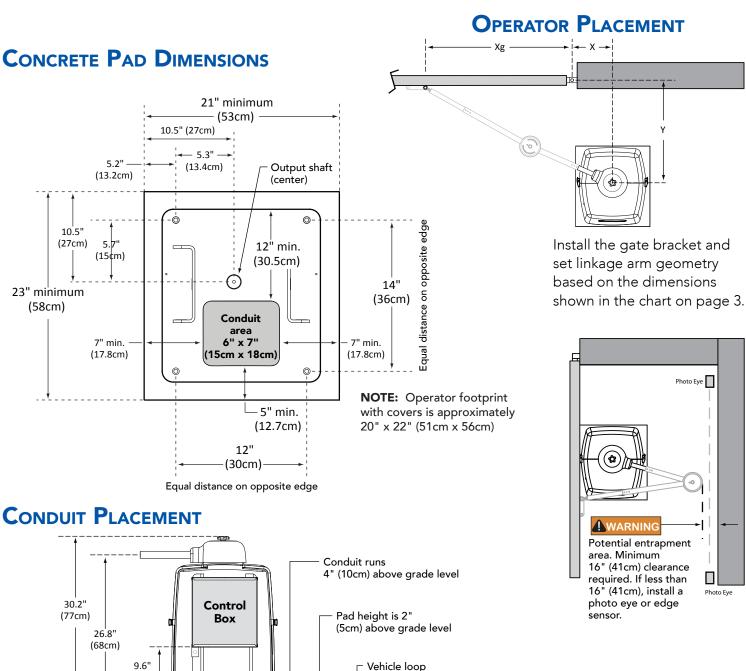
UNPACK
THE OPERATOR

# 5 SITE PLANNING AND OPERATOR INSTALLATION

Use these illustrations to help clarify the installation process.

For more detailed steps, refer to the SwingSmart DC Installation and Reference Manual.

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



Ground level

Main AC — Power conduit

(24cm)

control wires

Extra conduit (Dual/Sequenced gate)

Low voltage/ Communication wires

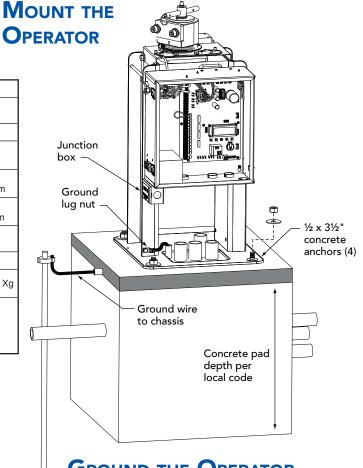


### MOUNT OPERATOR – ASSEMBLE GATE ARM

### MEASUREMENT CHARTS FOR GATE ARM GEOMETRY

Operator Placement & Gate Arm Geometry for 90° Gate Opening									
Short Gate Installation: For gates up to 10 feet (3 meters)				Long Gate Installation: For gates up to 20 feet (6 meters)					
Х	Υ	Xg	Α	В	Х	Υ	Xg	А	В
10.5" 27cm	14" 36cm	23.5" 60cm	15.5" 39cm	21.5" 55cm	15" 38cm	30" 76cm	44" 112cm	28" 71cm	38.5" 98cm
	18" 46cm	27.5" 70cm	17.5" 44cm	24.5" 62cm		35" 89cm	49" 124cm	30.5" 78cm	42.5" 108cm
	20" 51cm	29.5" 75cm	19" 48cm	26" 66cm		40" 102cm	54" 137cm	33.5" 85cm	48.5" 118cm
Medium Gate Installation: For gates up to 13 feet (4 meters)				Custom Gate Installation:					
Х	Υ	Xg	Α	В	Х	Υ	Xg	А	В
12" 31cm	22" 56cm	33" 84cm	21" 53cm	29" 74cm	_	_	X + Y - 1	0.63 * Xg	0.87 * Xg
	24" 61cm	35" 89cm	22" 56cm	30.5" 78cm	Space for custom calculations				
	28" 71cm	39" 99cm	24" 61cm	33.5" 85cm					

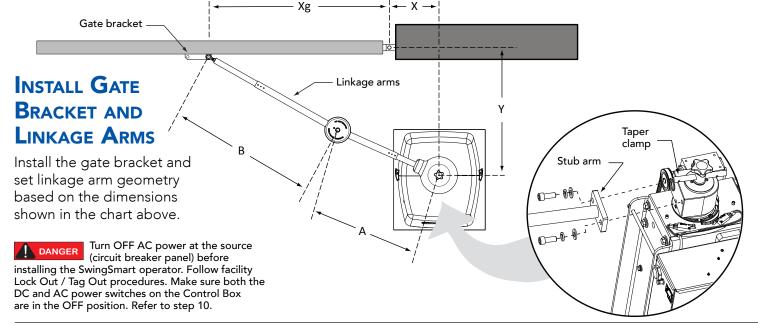
Operator Placement & Gate Arm Geometry for 100° through 130° opening							
Degree of swing	X	Υ	Xg	Α	В		
100	20"	24"	36"	24"	36"		
	51cm	61cm	91cm	61cm	91cm		
110	26"	24"	39"	28"	40.5"		
	66cm	61cm	99cm	71cm	103cm		
120	32"	20"	41"	31.5"	44"		
	81cm	51cm	104cm	80cm	112cm		
130	38"	18"	44"	36"	47.4"		
	97cm	48cm	112cm	91cm	121cm		
Maximum A = 38" (97cm) Maximum B = 47" (121cm)							



GROUND THE OPERATOR

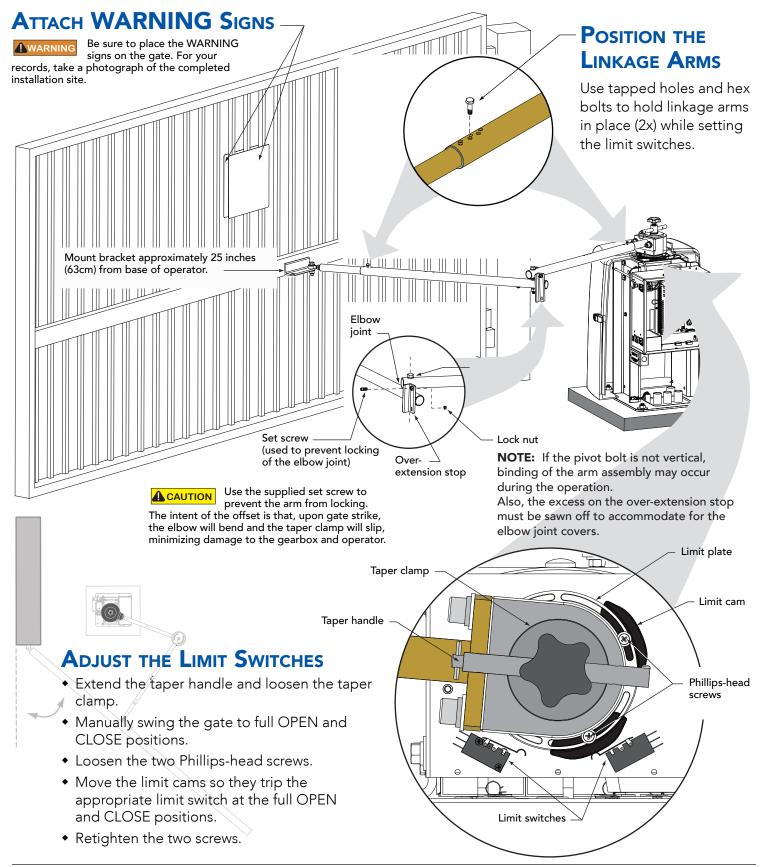
Grounding rod depth at 10' (3m) or per local code.

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.

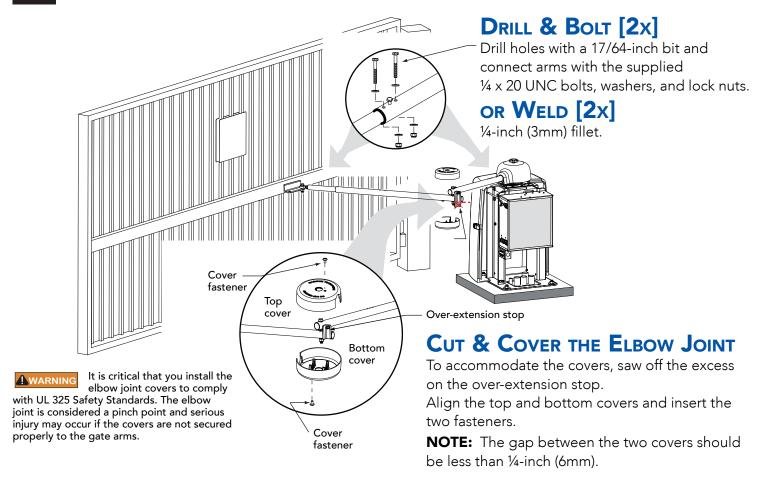


# 7 Install the Gate Arm

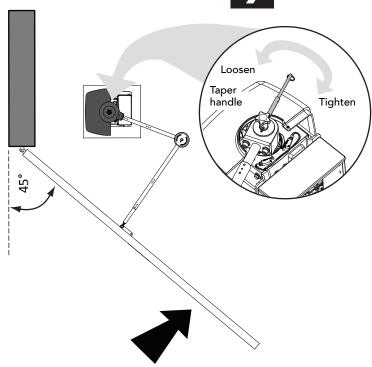
The universal elbow on the swing arm lets you easily change the handing from a left-arm configuration to a right swing arm configuration. The illustration present below show a right hand configuration. For more detailed steps, refer to the SwingSmart DC Installation and Reference Manual.



# COMPLETE GATE ARM INSTALLATION



### ADJUST AND TEST GATE OPERATION



### SET THE TAPER CLAMP

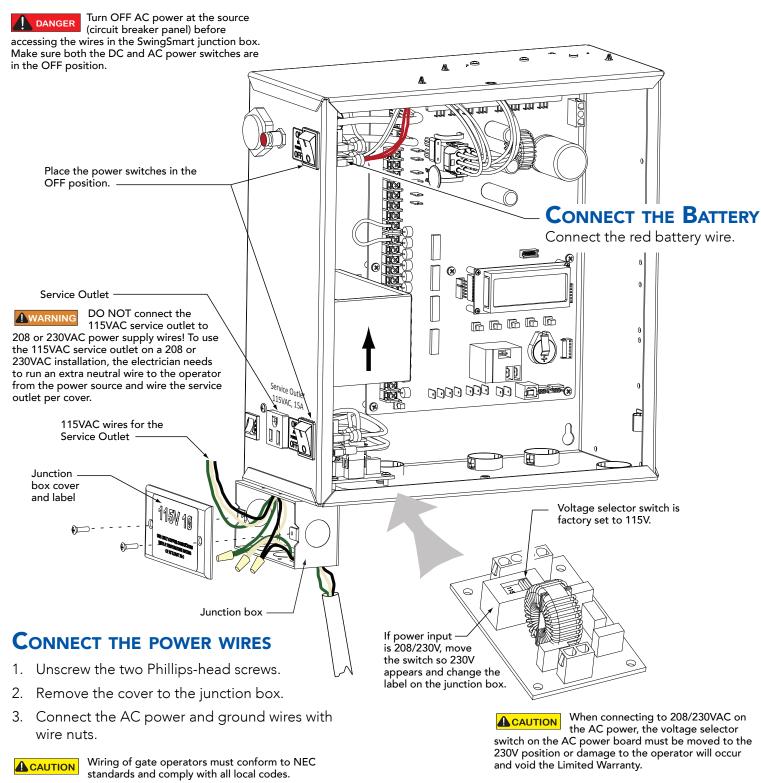
The taper clamp is designed to break free when a gate strike occurs, but not slip during normal operations. Set it properly, by taking the following steps:

- Loosen the taper clamp so you can manually swing the gate half way between the open and close position (above a 45° angle).
- Move the taper handle clockwise in ¼ turn increments until the gate cannot be pushed manually.
- Continue to incrementally turn the taper handle until the clamp is set so that it only breaks free with a strong push that simulates a gate strike.
- **NOTE:** A large amount of torque is not required to obtain a tight clamp setting. At highly secure facilities, to reduce the chance of someone manually forcing the gate open, remove the set screw from the elbow joint and straighten the arm. Straightening the arm is preferable to over-tightening the taper clamp.

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### 10 Verify the Power is OFF, and then CONNECT THE WIRES

### TURN POWER OFF

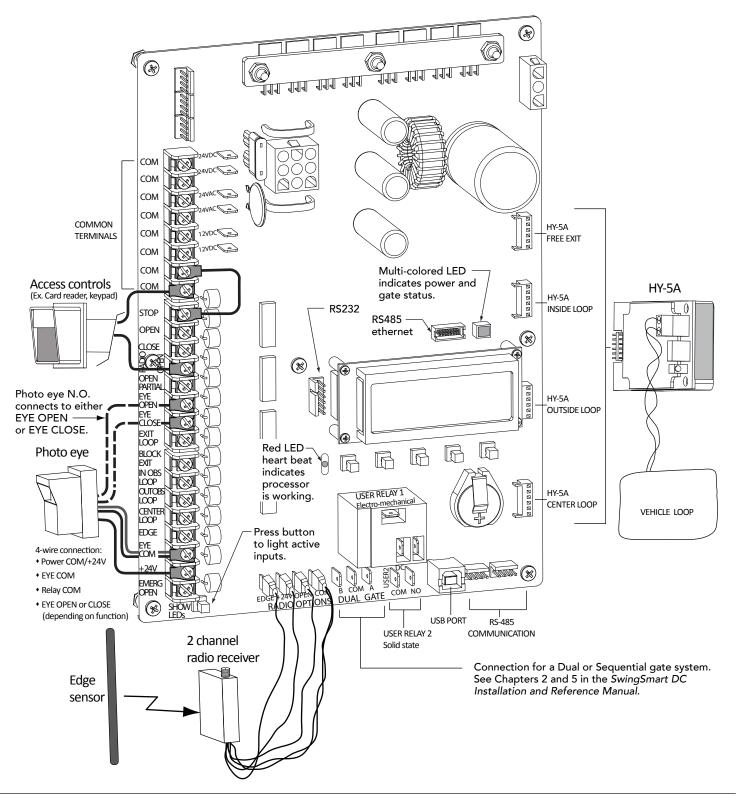


# CONNECT ACCESSORIES

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

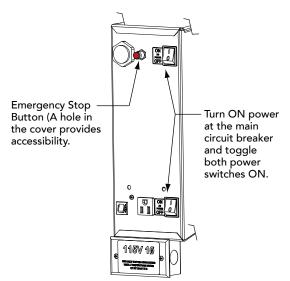
- a device input
- a Common Bus Terminal (COM)

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 SwingSmart DC Installation and Reference Manual.



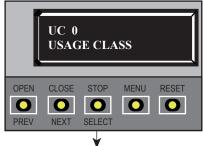
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### 12 TURN ON POWER & COMPLETE THE SET UP



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

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



#### **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.

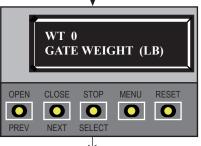


#### **SELECTIONS**

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.
- 1 Gate weight: 0 to 300lbs (0 to 136kg)
- 2 Gate weight: 301 to 600lbs (136 to 272kg)
- 3 Gate weight: 601 to 800lbs (272 to 363kg)
- 4 Gate weight: 801 to 1300lbs (363 to 590kg)

### TEST THE GATE

functionality, etc.

 Test cycle the gate operator by pressing the OPEN and CLOSE buttons. Make sure the gate travels to full open and close positions.

COMPLETE THE INSTALL

Refer to the installation manual

to configure User and Installer

Menu options such as gate speed,

IES sensitivity, Close Timer, relay

- Readjust the limit cams as required.
- When the gate and operator are functioning properly, replace the operator's covers and secure the latches.
- Review the Important Safety Instructions with the end use/ property owner on the proper use of the gate system.

#### SELECTIONS

0 - Not set.

1 - Gate length: 0 to 8ft (0 to 3m)

2 – Gate length: 8 to 12ft (3 to 4m)

3 - Gate length: 12 to 16ft (4 to 5m)

4 - Gate length: 16 to 20ft (5 to 6m)

An audible beep occurs when the initial setup is complete

Note: One of three gate status displays will appear depending on the gate's position.

GATE OPEN

**GATE CLOSED** 

GATE STOP

