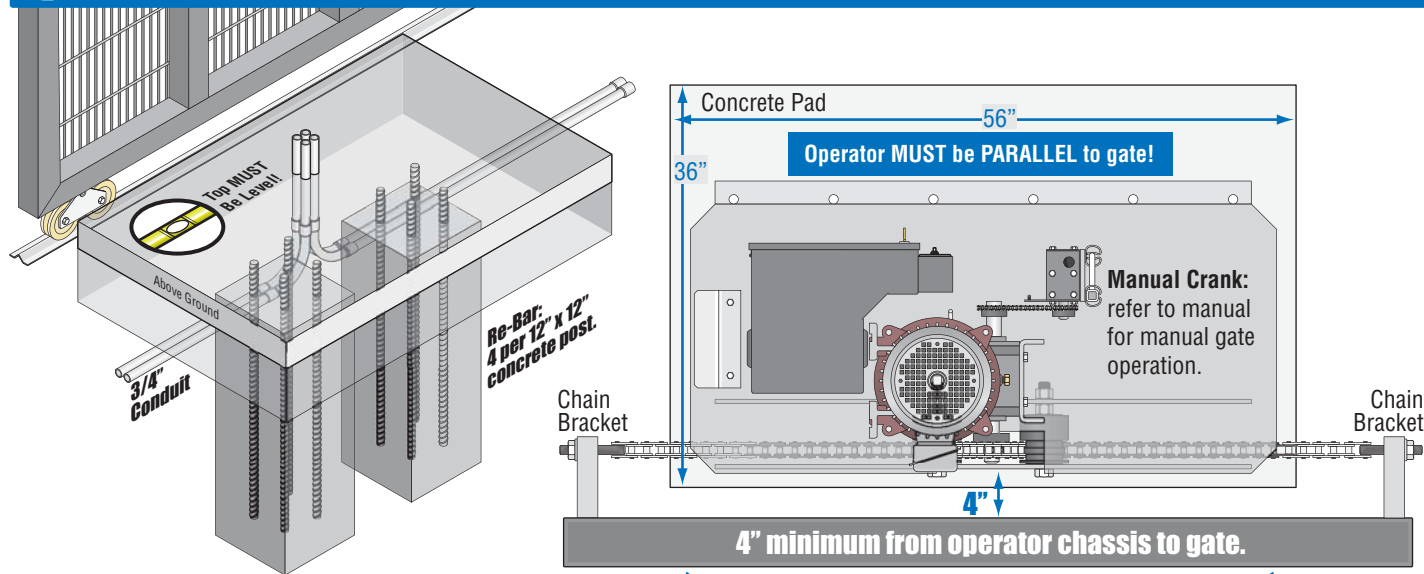# QUICKSTART "BASIC" GUIDELINES FOR MODEL 9500 "FULL OPEN"

Model 9500 is intended for installation only on sliding gates used for vehicles.
Pedestrians must be supplied with a separate access opening. For safety and installation instructions, please refer to the installation/owner's manual.

DKS DOORKING, INC.™

Top MUST Be Level!

Above Ground

3/4" Conduit

Re-Bar: 4 per 12" x 12" concrete post.

Concrete Pad
56"
36"

Operator MUST be PARALLEL to gate!

Manual Crank: refer to manual for manual gate operation.

Chain Bracket
Chain Bracket

4"

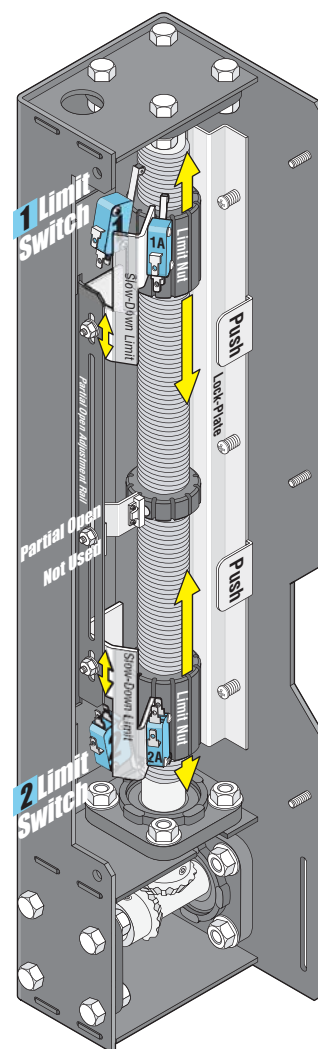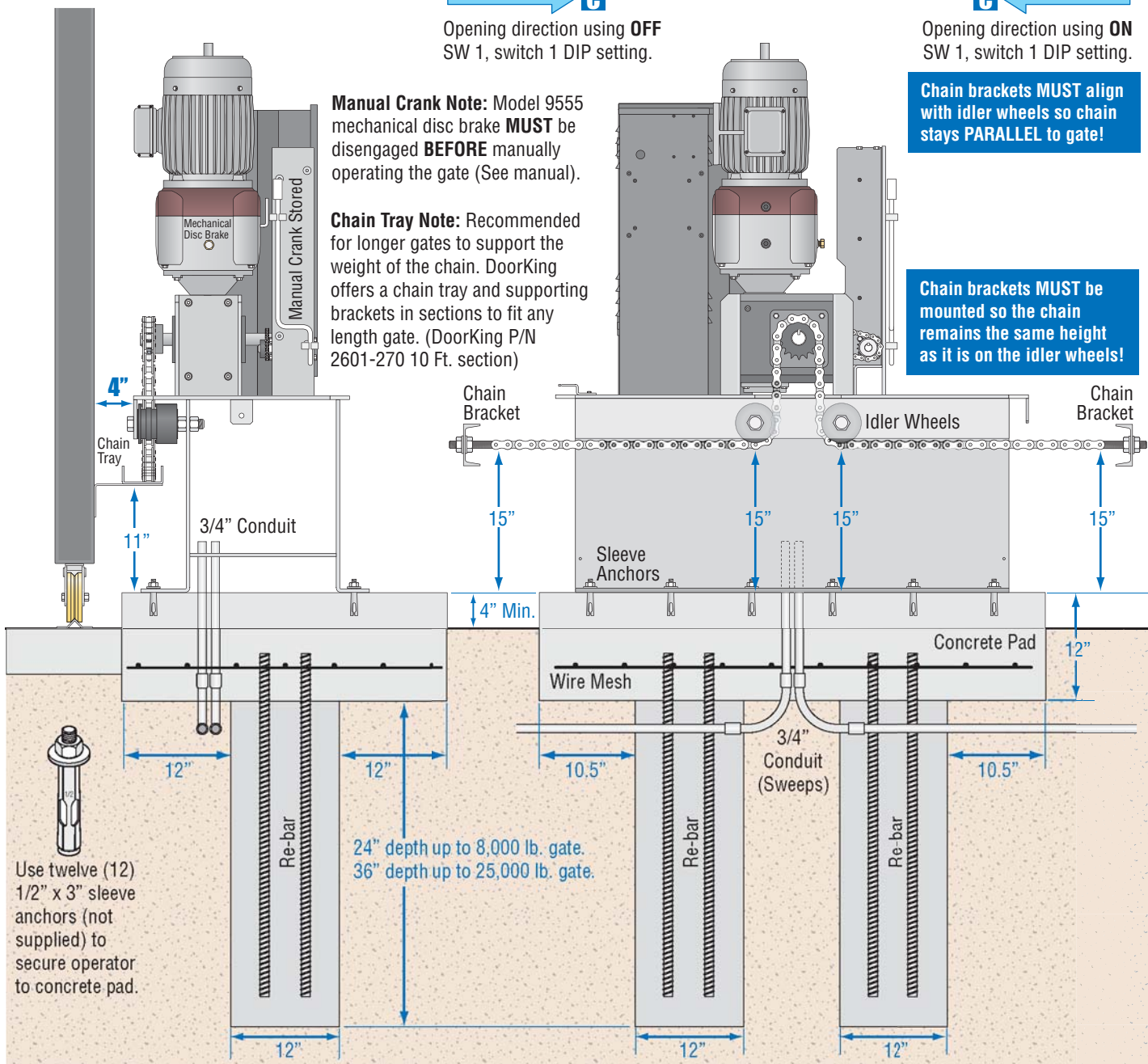**4" minimum from operator chassis to gate.**

C — Opening direction using **OFF** SW 1, switch 1 DIP setting.

C — Opening direction using **ON** SW 1, switch 1 DIP setting.

Chain brackets MUST align with idler wheels so chain stays PARALLEL to gate!

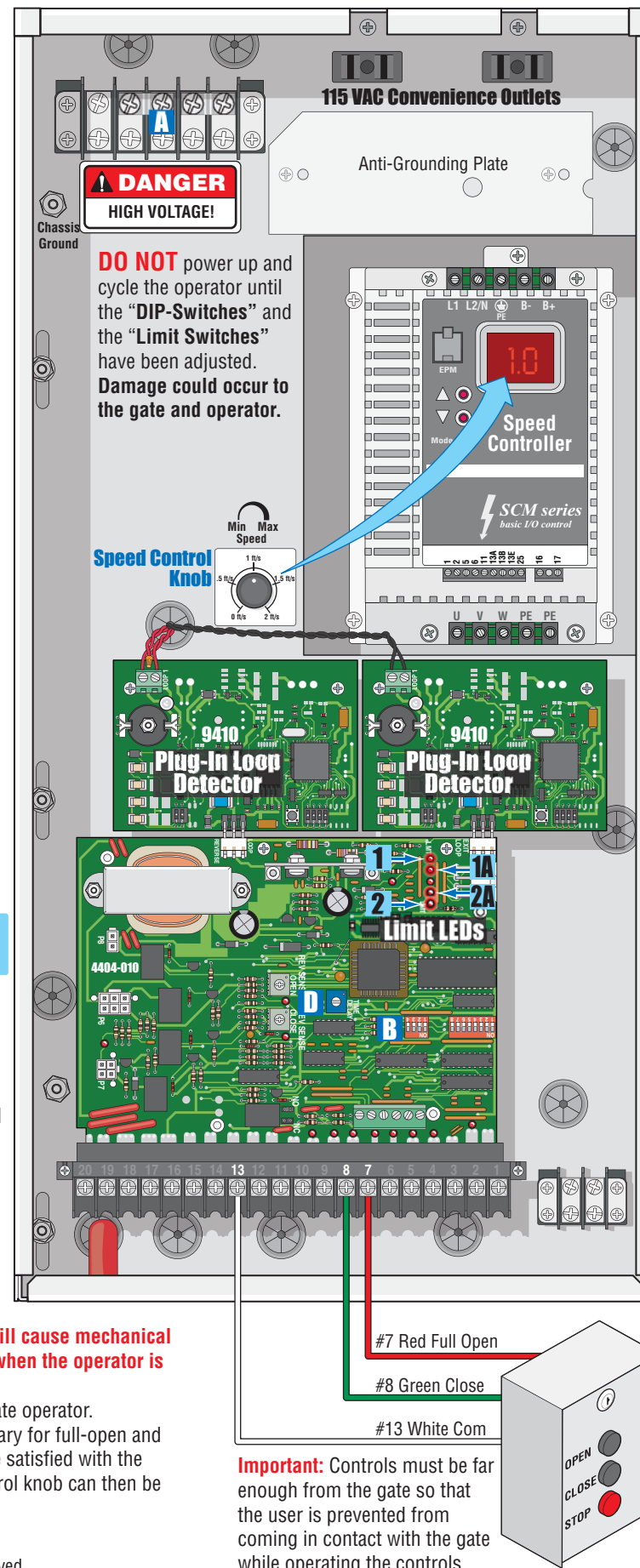**Chain brackets MUST be mounted so the chain remains the same height as it is on the idler wheels!**

Mechanical Disc Brake

Manual Crank Stored

Manual Crank Note: Model 9555 mechanical disc brake **MUST** be disengaged **BEFORE** manually operating the gate (See manual).

Chain Tray Note: Recommended for longer gates to support the weight of the chain. DoorKing offers a chain tray and supporting brackets in sections to fit any length gate. (DoorKing P/N 2601-270 10 Ft. section)

4"

Chain Tray

11"

3/4" Conduit

Chain Bracket

Idler Wheels

Chain Bracket

15"   15"   15"   15"

Sleeve Anchors

4" Min.

Concrete Pad

Wire Mesh

12"

3/4" Conduit (Sweeps)

Use twelve (12) 1/2" x 3" sleeve anchors (not supplied) to secure operator to concrete pad.

12"   12"   10.5"   10.5"

Re-bar   Re-bar   Re-bar

24" depth up to 8,000 lb. gate.
36" depth up to 25,000 lb. gate.

12"   12"   12"

Limit Switches

With power **OFF**, push and hold the lock plate down where shown to adjust the Open and Close limit nuts.
After adjusting the limit-nuts, be sure that the lock-plate is engaged in the slots on the limit-nuts to prevent them from rotating. The slow-down limits will move up or down 3/4 inch. **DO NOT** remove the slow-down limit assembly from the 3/4 inch slot and re-attach it in the longer slot on the partial open adjustment rail to gain further adjustment. **This will cause mechanical damage to the switch assembly when the operator is activated.**
Turn power **ON** and activate the gate operator. Re-adjust the limit nuts as necessary for full-open and full-close gate travel. After you are satisfied with the gate limit settings, the speed control knob can then be adjusted to personal preference.
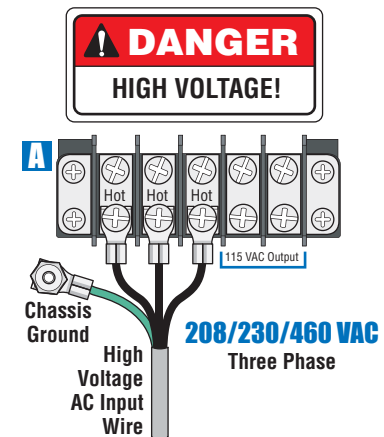
1 Limit Switch
Limit Nut
Slow-Down Limit
Lock-Plate
Partial Open Adjustment Rail
Partial Open Not Used
Slow-Down Limit
Limit Nut
Push
Push
1A
2A
2 Limit Switch

115 VAC Convenience Outlets

A

DANGER HIGH VOLTAGE!

Anti-Grounding Plate

Chassis Ground

DO NOT power up and cycle the operator until the "**DIP-Switches**" and the "**Limit Switches**" have been adjusted. **Damage could occur to the gate and operator.**

L1 L2/N B- B+
EPM
1.0
Mode
Speed Controller
SCM series basic I/O control

Speed Control Knob
Min — Max Speed
1 ft/s
.5 ft/s   1.5 ft/s
0 ft/s   2 ft/s

U V W PE PE

9410 **Plug-In Loop Detector**
9410 **Plug-In Loop Detector**

4404-010

1   1A
2   2A
Limit LEDs

20 19 18 17 16 15 14 13 12 11 10 9 8 7

#7 Red Full Open
#8 Green Close
#13 White Com

Important: Controls must be far enough from the gate so that the user is prevented from coming in contact with the gate while operating the controls.

OPEN
CLOSE
STOP

High Voltage Connection
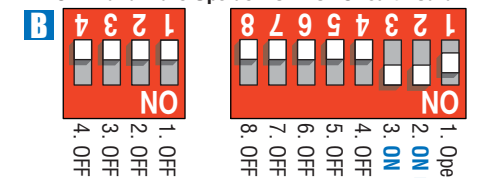
GATE OPERATOR MUST BE PROPERLY GROUNDED!!
Tip: It is recommended that a surge suppressor be installed on the high voltage power lines.

DANGER HIGH VOLTAGE!

A
Hot Hot Hot   115 VAC Output

Chassis Ground
High Voltage AC Input Wire
208/230/460 VAC Three Phase

Check polarity: Position the gate half way open. Give open command and while gate is opening, activate the appropriate limit switch with your finger. Gate should **STOP**. If it does not, activate the other limit switch. If this STOPS the gate, AC power wires must be changed (Reverse the connection of any 2 wires and re-check limits).

DIP-Switches

SW 1 and 2 are Upside-Down on Circuit Board.

B
1 2 3 4
ON
4. OFF
3. OFF
2. OFF
1. OFF

8 7 6 5 4 3 2 1
ON
8. OFF
7. OFF
6. OFF
5. OFF
4. OFF
3. ON
2. ON
1. Opening Direction

Auto-Close Timer
D
1   23
TIME DELAY
C
Adjust 1 to 23 sec.

Plug-In Loop Detectors

Not included - Refer to the Installation/Owner's manual **AND** Loop Information Manual (available from www.dkaccess.com) for more information on loops and plug-in loop detectors.
Important Note: DoorKing highly recommends that loops and loop detectors are installed with this slide gate operator. A loop detection system will preventing the gate from automatically opening or closing on a vehicle when it is in the gate's path.

3-Button Control Station

Not included - Use **ONLY** DoorKing's 3-button control station. Stand alone box shown.
Stand Alone Box (Exterior) - P/N 1200-006
Interior (fits in single gang box) - P/N 1200-007

9500-066-E-1-11