

DELTA / ALPHA

Installation Checklist

Customer: _____	Gate Type: _____
Address: _____	Gate Size: _____
_____	Date Installed: _____
Contact: _____	Installed By: _____
Phone: _____	Onsite Location: _____

1. Mechanical

1.1 Target Magnet

Should be mounted in proper position on the gate beam, so that the gate travel is stopped electronically (soft stop), before it stops mechanically. The gate should not hit the back of the run-on-plate, nor should it squish the rubber bumper. Appropriate gap between the leading edge post and the bumper is 1/4" to 1/2". Drill and tap beam for 10-24 x 1" machine screw in order for target magnet attachment.

Checked

Initials _____

1.2 Run-on-Plate

Make sure that the run-on-plate is mounted in the proper location on the catch portal. It should not sit too low, so that the gate leaf is suspended in the air, nor should it be mounted too high, so that the gate rides up the entire run-on-plate. The run-on-plate should only support about 15 lbs/7kg of the total weight of the gate, keeping it from bouncing in the wind, when fully closed. The leading edge post should engage/contact the run-on-plate approximately halfway up the plate.

1.3 Beam Joint

When tensioning the beams, make sure there is no gap or bump in between the two beams. Beams that are not aligned properly will cause the lower rollers to wear out prematurely.

1.4 Leading/Trailing Edge Post

Pull on or twist the leading and trailing edge posts by hand to make sure that they do not move – all fasteners (3) should be tight. Also, make sure that the leading edge post foot is secure (bottom of leading edge post). If loose, use self drilling screw to hold in place. Loctite should be used to secure the fasteners holding the posts in place.

1.5 Operator

When mounting the operator cabinet, the right height is very critical. If mounted too high, the gate leaf will put extreme pressure on the gearbox, therefore the teeth on the gear will wear out very quickly and cause internal damage to the gearbox. If mounted too low, the teeth on the drive gear will not engage the toothrack appropriately. The operator must be installed parallel to the gate beam, drive gear must run true in the middle of the toothrack throughout the length of travel. The optimum gap is 2.7mm – roughly the diameter of an 11 gauge tie wire.

1.6 Wallace International Logo

The Wallace International logo should be placed starting/ending (depending on the direction of the gate) at the third picket from the front of the beam, facing the public side of the property.

2. Electrical

2.1 Photocells

Ensure that the photocells are mounted on the right side of the beam, they should be mounted on the inside of the property (secure side), for safety reasons. Test the photocells to make sure they are aligned properly by placing the stickers simulating rain and snowfall on the face of the photocells, and listen for a clicking sound when interrupting the photocell beam. Complete in both opening and closing directions.

2.2 Sensing Edges

If installed, tested for proper operation.

2.3 Loop Detector

Verify that the ground loops have been occupied and the gate responds correctly. Test the loop occupation with the type of vehicles that will be using the gate. The loop detector sensitivity should be set as high as possible without false detections. Ensure loop phasing is correct.

2.4 Accessory Device Programming

Program changes through the Kinetic Installer Menu for the accessory devices installed as appropriate for site requirements.

2.5 Close Timer

Set the close timer if required and record the setting: _____
Default is 0.

2.6 IES Sensitivity

Test IES sensitivity and adjust if needed. Record setting: _____
Default is 2.

2.7 Usage Class

Record Usage Class setting in Initial Setup menu: _____

2.8 Gate Speed

Record the Open Speed and Close Speed settings: _____

2.9 Gate Handing

From the secure side of the gate, does it slide to the left or slide to the right: _____

2.10 Fire Department Override

If enabled, write yes in space provided. If not enabled, write no in space provided: _____

2.11 Response to AC Power Failure

Record whether AC Power Loss setting is set to AP0, AP1, AP2 or AP3: _____

2.12 Smart DC Controller Software Version

Check the software version on the Smart DC board. If not the latest version, download new version from <http://www.wallaceintl.com>, update and record new version number: _____

2.13 Kinetic Serial Number

Record Kinetic serial number: _____

2.14 Wiring

All field wiring should run in the provided wiring ducts. Power supply wiring should be secured safely in appropriate clips.

2.15 Conduits

All conduits must be finished to the applicable electrical code(s) into the bottom of the operator cabinet only. This will help to prevent water entry into the operator cabinet and will allow for proper installation of thermal cover (if required).

2.16 Thermal Cover/Thermostat

If supplied as part of the installation, ensure the thermal cover fits appropriately over the cabinet and Velcro straps are appropriately fastened. Installation/removal of cover should be clearly understood by end user. Thermostat is self-regulating at 4.5°C.

2.17 End User Demonstration

Ensure a copy of the gate/operator instructions are handed to the end user. Demonstrate to the end user how the operator relearns limits after AC and DC power is switched off and on. Demonstrate to the end user how to manually move the gate by ONLY turning the DC switch off. Demonstrate to the end user how the emergency reset button on the side of the operator works. Ensure end user is familiar with how the gate operates (close timer is set to x seconds, safety devices work to stop or stop & reverse the gate, etc.).

2.18 Photographs & Checklist Submittal

Ensure photos are taken and this checklist is filled out and emailed to service@wallaceintl.com. Requirements are one picture of the operator with the cover off and SmartDC board visible, one picture showing the entire gate installation from the unsecure side, one picture showing the entire gate installation from the secure side.