

SECTION 32 31 11 – GATE OPERATORS**PART 1 GENERAL****1.1 SUBMITTALS**

- A. Action Submittals:
 - 1. Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.
 - 2. Product Data: Manufacturer's descriptive data and product attributes.
- B. Closeout Submittals:
 - 1. Operation and Maintenance Data.

1.2 QUALITY ASSURANCE

- A. Installer Qualifications: Firm specializing in work of this Section, with minimum [2] [] years' experience.

1.3 WARRANTY

- A. Manufacturer's [2] [5] [7] year warranty against material and manufacturing defects.

PART 2 PRODUCTS**2.1 MANUFACTURERS**

- A. Contract Documents are based on products by LiftMaster. www.LiftMaster.com
- B. Substitutions: [Refer to Division 01.] [Not permitted.]

2.2 MANUFACTURED UNITS

- A. Swing Gate Operators:
 - 1. Model: CSW200UL.
 - 2. Operation: Gear driven.
 - 3. Meet UL 325, UL 991, ASTM F2200, and CAS C22.2 No. 247.
 - 4. Motor: 24 VDC, continuous duty type, sized to gate conditions.
 - 5. Monitoring and controls:
 - a. Internet connectivity: MyQ technology with 50 channel FHSS.
 - b. Radio receiver: Security+ 2.0 technology.
 - c. Monitored retro reflective photo eye.
 - 6. Accessories:
 - a. Monitored safety devices: [Through-beam photo eyes.] [Wireless edge with transmitter and receiver.] [Wireless edge transceiver.] [Monitored wired safety edges.]
 - b. Wired monitored safety edges: [Small profile edge.] [Large profile edge.]
 - c. [One-button encrypted DIP remote control.] [Two button rolling code Security+ 2.0 learning remote control.] [Four button rolling code Security+ 2.0 learning remote control.] [CAPXLV] [CAPXM] Smart video intercom.
 - d. Wireless commercial keypad.
 - e. Plug-in loop detector.
 - f. Heater kit.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

3.2 CLOSEOUT ACTIVITIES

- A. Test and adjust operators for proper operation.
- B. Demonstration: Demonstrate operation and programming of operators to Owner.

END OF SECTION