



Smarter solutions, delivered faster

Making it easy for you to save water, time and money



WT-200 MEDIUM-DUTY SLUICE GATE ACTUATOR BY Watch Technologies

Watch Technologies' sluice (slide) gate actuators are simpler by design to use, install and maintain; solar-ready (dramatically lower-priced solar applications) & SCADA-ready. Sold as a stand-alone system or node on a network.

The right actuator -- at the right price -- shipped 4-6 weeks

Made to fit or retrofit actuation on any "Stem" Gate:

- That is a gate that utilizes a threaded system to move a gate blade up or down.
- It is a very simple robust unit well suited for gates with blades to approximately 72" square or round.

DC-motor driven:

- Actuator is DC gear-motor driven with a chain drive system moving a drivenut.
- Actuator can be built to fit a vertical or horizontal stem.
- Because it is a DC system, it's readymade for solar application although an AC adapter can be shipped to accommodate AC power.



Watch Technologies' WT-300 actuators handle larger gates.

On-board 12 Amp Hour battery:

- Provides electrical capacity to operate well for many actuation cycles. The precise number is based on the size of a gate, the head pressure against, and stem speed but one can count on many days of operations without external power.
- The actuator requires no regular maintenance although lubricating the chain occasionally is a good but unnecessary maintenance practice.



Specifications Summary: Standard Vertical or Gearlift Configuration

Drive System: Sprocket and #40 chain, typical 1:1 drive ratio, stem speed flexible

Torque range: 25 ft. lbs. to 110 ft. lbs continuous, 40 ft. lbs. to 192.5 ft. lbs. breakaway

Power: 12 or 24 VDC, 3.76 – 7.5 Amp-hr/day for adjustments (12 per hr typical), fused torque limits

Standard electrical panel: Toggle HOA, momentary manual up/down, Off, Auto (SCADA), hardwired limit logic

Battery: 12 or 24 VDC 18 Amp-hr sealed lead-acid

Options: Internal position sensor, vertical or horizontal stem orientation, limit switch assemblies, telemetry, embedded controller (flow, level, position control, custom programming available)
Patent pending