



Smarter solutions, delivered faster

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

**WT-300 SLUICE GATE ACTUATOR BY Watch Technologies**

Watch Technologies' sluice (slide) heavy-lift actuators are simple to use, install and maintain; solar-ready, SCADA-ready, stand-alone, or node on a network.

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

Key Features:

- Puts actuation on any single or double stem gate
- DC-motor driven: ready-made for solar applications
- AC adapter (optional)
- 12 or 24 VDC
- #40 Chain drive to bronze drive-nut
- Mounts to vertical or horizontal stems
- Lockable 304 stainless steel enclosure
- Internal limit switch assembly
- Internal position sensor (optional)
- On-board 12 Amp-hr SLA battery
- Optional PLC and software



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Specifications Summary:

Drive System: Sprocket and #40 chain, typical 1:2 drive ratio, stem speed flexible

Torque range: 22.5 ft. lbs to 192.5 ft. lbs continuous, 40ft. lbs to 337 ft. lbs breakaway

Power: 12 or 24 VDC, 7.2–14.4 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 12-18 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*



Advantages of Working with Watch Technologies

Your 1-stop resource for integrated water management equipment made in the US that all fit together and built in-house.

Serving ag/irrigation, water and wastewater, and oil and gas industries.

Leveraging Our Experience

- 35-years in field data collection and monitoring, sensor-driven equipment and software, and SCADA systems for several industries.
- We know what works in the field and have developed products for clients that work better, are simpler to use, are fully integrated already, for less money.

Creating the Right Fit for You

- Individual products or complete, turn-key systems and system integration, built in-house.
- Designed so that anyone can operate it—little or no special training required.
- WT is the only company providing data monitoring and control equipment and systems that all fit together.

Saving You Money

- WT is constantly innovating more effective and lower priced products for our clients. If there is currently no solution to meet a need, we will invent, design and manufacture it. For example, we developed the Smart Split Gate to solve an engineering and flooding problem in the city of Medford, OR. This gate is being used in irrigation, canals and for flood control.

About Jack Goldwasser, Watch Technologies Founder and CEO



Jack Goldwasser

Jack Goldwasser has 35 years' experience in data collection, remote monitoring, SCADA systems, and gate manufacture. He helps organizations and government agencies increase the efficiency of their operations at the lowest cost while conserving water.

Jack constantly looks for more cost-effective ways to solve clients' problems. He developed several new products including:

- Off-the-shelf monitoring stations deployable by non-professional staff,
- Automation gate retrofit equipment for agricultural, industrial, and containment gates manageable by the average maintenance staff, farmer, rancher, or Irrigation District staff member,
- Dual-action "smart" gates that can control surface conditions and dump flow or sediment as required in an emergency or on a schedule.