541-472-8095   **www.watchtechnologies.com**

Watch Technologies

S m a r t e r   s o l u t i o n s ,   d e l i v e r e d   f a s t e r   **Making it easy for you to save water, time and money**

MADE IN USA

WT-300 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 an extremely robust unit well suited for large heavy gates.

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.
- Can use 12 or 24 VDC.

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 1:2 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 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