541-472-8095 www.watchtechnologies.com

Watch Technologies

Smarter solutions, delivered faster

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

WT-100 LIGHT DUTY SLUCE GATE ACTUATOR by Watch Technologies

MADE IN USA

Watch Technologie's 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: Stem gate utilizes a threaded system to move a gate blade up or down. Very simple, robust compact unit well suited for gates with blades to approximately 36" 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-200 and 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 Configuration

Drive System: Sprocket and #40 chain, typical 1:1 drive ratio, stem speed flexible **Torque range:** 12.5 ft. lbs. to 41.6 ft. lbs continuous, 29 ft. lbs. to 72.8 ft. lbs. breakaway **Power:** 12 VDC, 2.5 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 VDC 9 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

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