



WT-300 Gate Actuator Data Sheet

The WT-300 Gate actuator is meant 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 very robust unit well suited for gates with blades to approximately exceeding 72" square or round. The actuator is DC gear-motor driven with a chain drive system moving a drivenut. The actuator can be built to fit a vertical or horizontal stem. Because it is a DC system, the actuator is ready made for solar application although an AC adapter can be shipped to accommodate AC power. On-board 10-24 Amp Hour batteries provide electrical capacity to operate well for many actuation cycles. The precise number is based on the size of a gate, the head pressure against it, and stem speed but one can count on many cycles of operations without external power. The actuator requires no regular maintenance although lubricating the chain occasionally is a good but unnecessary maintenance practice.

Data:

Name: WT-300

Drive system: XXX HP DC Gear-motor/#40 chain

Torque: 50 ft Lbs to 150 ft. Lbs

Sprocket drive ratio: 1:1(typical) - 1:2.8

Maximum stem size: 1.5 in.

System voltage: 12VDC/24VDC or 120VAC with adapter

Current draw: XXX Amps (typical) Maximum 1XXX Amps

On-board battery capacity: 20-24 Amp Hours

Switches: On/Off, Manual/Automatic, Manual Up/Down

Dimensions: Width-13 in, Height-16.5", Depth-19"

Enclosure type: 304 Stainless Steel (316 optional) lockable

On-board Position sensor (Optional)

On-board controller optional

Terminal strip SCADA ready