

# JCS Industries Inc.

Innovative Chemical Feed Solutions

## ROBO-CONTROL®

### MODEL U ACTUATOR



Technical Specifications for Model U Actuator

### OPERATION

The Model U is an actuator system that can REMOTELY OPEN & CLOSE the valve on a chlorine or sulfur dioxide 150# cylinder or ton container. The system includes a battery operated actuator with an electric motor that rotates the valve stem towards the open or closed position for alignment, tests and remote operation. The actuator is designed to mount without interfering with or requiring yokes or additional adapters for dispensers or discharging hardware. The motor, gears and controls are assembled as one unit.

### CAPABILITIES

- Battery operated with automatic charger
- Operational integral leak detection for automatic shutdown
- Remote close by leak detector, panic button or other digital signals such as PLC or computer
- Easily attaches to valve
- Can be used on chlorine and sulfur dioxide 150# cylinders or ton containers
- Eliminates the need for scrubbers in certain applications per the Uniform Fire Code

### FEATURES

The system includes a remote power supply enclosure for trickle charge of the batteries. Placement of the actuator can be accomplished by connection to the cylinder valve with an easy on/off latch. Monitor and controls are accomplished with an on-board microprocessor and integral LED displays for CLOSED, ALIGN and OPEN. The LED display enables the operator to easily read the condition when mounted outdoors with bright sunlight. Programming is accomplished through an integral keypad. Valve position is transmitted to the microprocessor from a direct-coupled potentiometer and displayed in degrees open.

### ADDITIONAL INFO

Inputs for remote control can include "open", "close" and "latch close". Outputs for remote indication can include "valve open", "valve closed", "failure or battery" and "leak".

For information on actuators that open and close 150# cylinders and ton containers, refer to Specification Model U.

## DETAILS

<b>Enclosure</b>	NEMA 4X
<b>Battery</b>	Two 12/24-Volt SLA
<b>Charger</b>	120/240 VAC Automatic
<b>Indicator</b>	Three digit .5" LED's
<b>Inputs</b>	Maximum three
<b>Outputs</b>	Maximum four
<b>Remote</b>	Wired Power Enclosure
<b>Rotation</b>	Programmable up to 360 degrees
<b>Materials</b>	Fiberglass, stainless steel, steel brass, RF Nylon
<b>Actuator wt.</b>	11lbs
<b>Torque</b>	40ft/lbs
<b>Compatibility</b>	Chlorine Institute 110 and Conforms to CI Publications

"RECOMMENDATIONS FOR EMERGENCY CLOSURE DEVICES FOR CONTAINER VALVES"

## A LIQUA FLOW PRODUCT

Ph: 281-353-2100  
Fax: 281-353-0657  
PO Box 90028  
Houston, TX 77290  
www.jcsindustries.us.com