



UNIVERSAL SALES

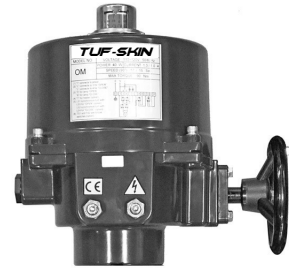
TUF-SKIN VALVES

sales@universalsales.biz

92311 Booth Street ~ Junction City, OR 97448 ~ PH 541-998-9999 ~ FX 541-998-9998

TUF-SKIN OM series actuators

version: 1-1-19



General Information

Enclosure:

- ◆ IP67, NEMA 4X: Waterproof and dustproof enclosure.
- ◆ Dry powder coated aluminum alloy.
- ◆ Space heater and thermostat included. The heater prevents condensation inside the actuator and helps keep the lubricant from freezing. The thermostat turns the heater off when temperature exceeds 77 degrees F.

Motor:

- ◆ F (standard) or H (optional) insulation class.
- ◆ Built in thermal protection prevents motor burn out.

Duty Cycle:

- ◆ 30% duty cycle standard.
- ◆ 50%-75% duty cycle optional depending on model.

Position indicator:

- ◆ Easy to read position indicator on top of the actuator cover.

Manual Override:

- ◆ Non-clutch design. Turn the hand wheel at any time manually without having to engage a clutch.
- ◆ When the electric motor is operating, the hand wheel will not rotate for safety.

Gear Train:

- ◆ High alloy steel gear trains provide a self-locking function to avoid back drive.
- ◆ Gear trains are sufficiently lubricated at the factory with anti high temperature grease.

Working conditions:

- ◆ Ambient temperature: -22 degrees F to 149 degrees F.
- ◆ Humidity: 30% to 95%.

Options

Relays:

- ◆ Install inside the actuator. Available in different voltages to match your control system.

Adjustable speed module:

- ◆ Repeat cycle timer installs inside actuator to slow down the opening/closing speeds.

Additional limit switches:

- ◆ Two limit switches are standard for fully open and fully closed. Kits to install two additional switches are available for dry contacts of two positions.

Potentiometer:

- ◆ To provide feedback for position indicator. 1k or 5k ohm resistance are available.

Modulating controller:

- ◆ Actuator position controlled by signal.
- ◆ Input signal: 4-20mA, 1-5V, 2-10V
- ◆ Output signal: 4-20mA, 2-10V