

Improve performance with electric-over-hydraulic emergency shutdown control system that enables condition-based monitoring and maintenance.

The mHRU is designed to work with new or existing hydraulic, spring assisted, fail close ESD valves and infrastructure to eliminate challenges maintaining Full Open Position and reliable performance.

Eliminates inadvertent well shut-ins and valve erosion damage due to partially closed valve.

- Push Button and Automated operations
- Implement condition based monitoring and operation utilizing new or existing sensors and infrastructure.
- Eliminate the challenges of maintaining full open position and inadvertent well closures due to the hydraulic fluid response to extreme climate and temperature changes.
- Custom Add-ons Available

ELECTRONICALLY ASSISTED HYDRAULIC CONTROL

Easy 30 minute installation to retrofit hydraulic operation of an existing hydraulic, spring assisted, fail close ESD Valve.

Only requires 24vdc - 10a power supply and 12 or 24vdc permissive signal.

Simple, single hydraulic hose from panel to actuator and challenging hand pump operations are eliminated.



Environmental-Social-Governance



24"x24"x12" Panel



BENEFITS

- Monitors and regulates ESD actuator pressure
- UL and CSA Listed Type 3R,4,12 NEMA 3R,4,12,13
- Common Power Supply: 24vdc - 10a
- Receives 12 or 24vdc Permissive Signal
- Simple replacement for "hand pump" while keep all existing infrastructure.
- 30 min installation to eliminate "creep close" problems that cause damage to valves and inadvertent well shut-ins.
- Reduce wellsite visits
- Increase Safety

Condition Based Monitoring

The mHRU controller's ability to acquire precise data on even small changes in hydraulic pressure supports condition-based monitoring for the regulating of the actuator pressure.

ACTUATOR PRESSURE STABILIZATION

Pressure stabilization eliminates progressive valve closure and associated wear with the mHRU monitoring and automatically compensating for temperature- induced variations.



SPECIFICATIONS

Base: 24x12 inches (61x30.5 cm)

Height: 24 inches (61 cm)

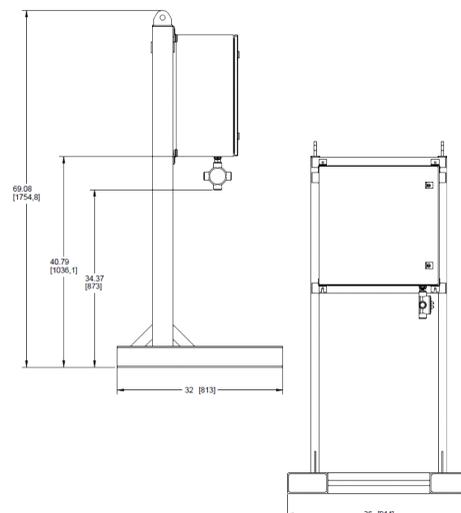
Weight: 98lbs. (44.5 kg)

Hydraulic outlet pressure: 300 to 2,000 PSI (1 to 138 Bar)

Oil volume: 1 gallon (3.8 L)

Operating temperature: -40°F to 185°F (-40°C to 85°C)

Electric power required: 24 VDC - 10a



Optional Skid for Panel Mounting