

# EVO I

## Plunger Lift Controller



The EVO I controllers were designed in-house at Pentagon Optimization due to the short-falls of other controllers currently on the market. The EVO I is a self-optimizing controller and is designed to deliver optimal performance with extremely simple operation. The EVO I is designed for either one to two motor (pneumatic or electric) valves. The four-line display clearly indicates the items selected and allows for increased information displayed. The following features are:

### **Extremely User-Friendly** – built in conjunction with the Producing Industry

- Optical Dial is used rather than a keypad thus eliminating faceplate issues
- Four Line Display for increased information display
- Proper Time Optimization – optimizes to a minimum Off time value before Afterflow is adjusted
- Dual Valve Abilities
- Operates Electric Valves on a six volt pulse
- Operates either negative or positive solenoids
- Best Battery Fault Protection in the Industry
- Battery & Solar Panel designed for Northern Climate – Solar Panel leads the industry at a **six watt** rating
- Longer Battery Life than competing controllers through cell equalization
- Back-Light Display for viewing in low light environments
- Holds 25 Plunger Lift Arrivals – each arrival is date and time stamped
- Real-Time Clock
- Incorporated Service Date Option
- Early-Arrival Protection and Critical Early-Arrival Protection
- Five (5) Modes of Operation – three (3) in Optimization mode
- Tracks 14 Days of Sales Time
- Firmware can be specifically tailored to meet the client's request

### **Additional special features include:**

- RS-232 / RS-485 Communication Port
- Analog Inputs/Outputs
- Digital Inputs/Outputs

The EVO I controller are CSA Class I Division I approved and is compatible with the following accessories:

- Solar Panel – Industry Leading 6-Watt Rating
- Plunger Lift Arrival Sensor
- Pressure Switch Gauge