

# 72000-00

## PUMP BATCH CONTROLLER

**AT LAST....** A controller designed to accurately, simply and economically operate solenoid-controlled AODD pumps in a *Batching Mode*. The 72000-00 Pump Batch Controller has all the features you've been looking for in one compact unit.

**SIMPLICITY..** All variables are set using the external keypad and there are no multiple-screens to deal with. The keypad is always available for selection of any of the three "batches" available or the "Constant Run" mode as well as programming system values. The unit provides the 12 volts DC needed to operate the pump from the controller's internal power supply.

**SMART DESIGN..** The pump speed is variable over any value in the range of 0.1 to 3600 Seconds/Stroke. The user determines the number of strokes in a batch, the number of batches in a program and the time interval between batches. It's intuitively easy to use and easy to "dial in" to the right values. The NEMA 4X enclosure can be mounted with hand tools and the unit is available in two versions, 120 volts AC or 220-240 volts AC.

**VERSATILE..** The unit can be paused or stopped remotely. External "Kill" switches can be included for safety.

**JOG...** There are times when you might need to operate the pump outside the "Batch" mode. Maybe to prime the pump or to purge it or to top off a batch

If you need to run the pump outside a batch, simply switch "Constant" and then press "Run". The system will operate the pump at a speed you've pre-set.

**SELF-CONTAINED...** Everything you need to run a solenoid-controlled AODD pump is in this system

except the air. It monitors, calculates, supplies and switches power. All you need to do is determine the number of strokes, the number of batches and the interval between them and the system takes over. No time or setup expenses are needed to get optimal results. Even the internal circuit-breaker for the solenoid output is self-resetting. If you need to talk to somebody about a technical matter, we understand both electronics/instrumentation and pumps/piping.

**SAFETY...** The system operates the pump using low voltage and is designed to be failsafe in every likely scenario. The external control design permits the addition

of panic buttons and automatic shutoffs as well. The output to the solenoid is even circuit-breaker protected.

**NNN... No Nerds Needed.** Anybody can program and run this system. Its interface is very intuitive and its operation is simplicity itself. If you've programmed an FCSII, you already know how to program the 72000-00 Pump Batch Controller. If you need to operate a solenoid-controlled pump to do batching, this system is the solution.



DIMENSIONS: 6-3/4" H x 4-3/4" W X 2-1/4" D

ENCLOSURE CONSTRUCTION: NEMA 4X with sealing gland for cable and boot for switch

WEIGHT: 1-1/2 Pounds

POWER CONSUMPTION: 12 Watts

VOLTAGE REQUIREMENTS: 120 VAC

VOLTAGE OUTPUT (TO SOLENOID): 12 VDC 750 ma MAXIMUM

The Pump Solenoid must operate on 12 volts DC.

OPERATING TEMPERATURE RANGE: 40F to 100F

SPEED RANGE: 0.1 to 3600 Seconds/Stroke

NUMBER OF BATCHES: Three totally separate settings plus a "Constant Run" preset.

We will be happy to address any technical questions you may have. Please ask your local distributor and we'll

# 72100-00

**AT LAST....** A controller designed to accurately, simply and economically operate solenoid-controlled AODD pumps utilizing a 4-20 ma. loop to set pump speed. The 72100-00 Pump Controller has all the features you've been looking for in one compact unit.

**SIMPLICITY...**All variables are set using the internal 5-key touchpad and there are no multiple-screens to deal with. The keypad is safely away from unauthorized users. The unit provides 12 volts DC from its internal power supply to operate the pump. The system panel has one sealed switch on it; to RUN, STOP or JOG the pump. The loop milliamps and the pump speed and condition (Run/Stop/Jog) are all continuously displayed.

**SMART DESIGN...**The pump speed is variable over any value in the range of 0 to 499 **Strokes/Minute**. This means it's easy to calculate the volumetric output of the pump in standard engineering units and that the internal calculations by the controller are *linearly proportional* to the loop current across the entire range of values. It's intuitively easy to use this way and easy to "dial in" to the right values. The NEMA 4X enclosure can be mounted with hand tools and the unit is powered by 120 volts AC.

**VERSATILE...**The unit can be controlled remotely. A simple switch or relay can provide the contact closures the unit needs to Run/Stop/Jog. It only takes three wires and they connect to a terminal strip on the circuit board. Any loop current can be the low value and any current above 10 ma. can be the high value. The low value can be equivalent to the slowest or fastest pump speed as can the high current value. This makes the system compatible with an enormous variety of sensors and signals.

## PUMP CONTROLLER

**JOG...** There are times when you might need to operate the pump without the current loop. Maybe the loop is down due to a sensor failure or there is a situation that isn't covered by the setup. If you need to run the pump without the loop, simply switch to JOG. The system will operate the pump at the midpoint speed value of your two settings.



**SELF-CONTAINED...**Everything you need to run a pump is in this system except the air. It monitors, calculates, supplies and switches power. All you need to do, is determine how you want the pump to respond to a signal and the system takes over. No time or setup expenses are needed to get optimal results. Even the internal circuit-breaker for the solenoid output is self-resetting. If you need to talk to somebody about a technical matter, we understand both electronics/instrumentation and pumps/piping.

**SAFETY...** The system operates the pump using low voltage and is designed to be failsafe in every likely scenario. Loop outages, sensor failures and wire-breaks all result in the pump stopping. The external control design permits the addition of panic buttons and automatic shutoffs as well. The output to the solenoid is even circuit-breaker protected.

**NNN...** No Nerds Needed. Anybody can program and run this system. Its interface is very intuitive and its operation is simplicity itself. If you need to operate solenoid-controlled AODD pumps with a 4-20 ma. signal, this system is the solution.

DIMENSIONS: 6-3/4" H x 4-3/4" W X 2-1/4" D

ENCLOSURE CONSTRUCTION: NEMA 4X with sealing gland for cable and boot for switch

WEIGHT: 1-1/2 Pounds

POWER CONSUMPTION: 12 Watts

VOLTAGE REQUIREMENTS: 120 VAC

VOLTAGE OUTPUT (TO SOLENOID): 12 VDC 750 ma MAXIMUM

OPERATING TEMPERATURE RANGE: 40F to 100F

SPEED RANGE: 0 TO 499 Strokes/ Minute

We will be happy to address any technical questions you may have. Please ask your local distributor and we'll see to it that you quickly receive the information.