



# Operating Instructions for

## **TIMAX E-Z** Single Valve Controller



The TiMax EZ is Multi Products Company's latest in a large family of controllers. This is the ultimate in time cycle controllers for ease of use and in the day to day operation of your wells.

Each function is clearly laid out on the multi-colored display and settings are changed by the use of the "Control Knob" in the center of the faceplate.

### **FEATURES**

The electronics of the TiMax EZ are designed for ease of replacement due to the spring loaded hinges located on the back of the faceplate.

Display LCD top line shows the Open or Closed time counting down. This allows user to see amount of time before next action of the motor valve. Bottom Line shows the PLA (Plunger Travel) counting up until plunger hits sensor, when valve is Open.

**The inside of the door of the TiMax EZ contains a set of instructions that provide the operator with the correct procedure to set the times.**

**You must still program a time in each setting you want to use.**

### **Installation**

There are threaded ports located on the bottom of the Timax E-Z enclosure. These are clearly marked as Supply & Output.

The supply gas must be regulated to 30 to 40 PSI and be a clean supply from the well. To ensure the supply gas is clean, a filter is included with each controller. **THIS FILTER MUST BE USED.** It is best to tap the casing for this supply and regulate this to the correct pressure. The source line of supply from the well head is attached to the port marked SUPPLY. The line from the controller goes to the motor valve is OUTPUT.

This will allow the controller to operate the valve as it is designed.

The controller is designed for a normally closed motor valve. If you are using a motor valve that is normally open, please contact Multi Products Co. at 330-674-5981 for configuration instructions.

### **Operation**

Set the desired times in the controller according to the Operating Instructions located on the door label. The open time will start with the opening of the motor valve for gas sales. The display will show the open or close time counting down. The valve will stay open for the time set unless the time is interrupted by the plunger arrival sensor, switch gage or other device connected to the controller. At this point, controller will switch to the close time unless it is set for sync mode which will allow controller to count down before going to the close time.

### **How to program the Timax E-Z**

#### **Programming the OPEN TIME**

Press OPEN TIME button and hold while turning the dial until the display reads the desired time. Once the OPEN TIME is correct, release the button. OPEN TIME will be set.

#### **Programming the CLOSE TIME**

Press CLOSE TIME button and hold while turning the dial until the display reads the desired time. Once the CLOSE TIME is correct, release the button. CLOSE TIME will be set.

#### **Programming the DELAY TIME**

Press DELAY TIME button and hold while turning the dial until the display reads the desired time. Once the DELAY TIME is correct, release the button. DELAY TIME will be set.

## TO READ LAST 10 PLUNGER ARRIVALS

Press HISTORY button and hold while turning the dial to the left. #10 will be the last plunger arrival followed by #9, #8, etc. The time shown on the screen will be how long plunger took to surface.

## TO CLEAR LAST 10 PLUNGER ARRIVALS

Press HISTORY button and hold while turning the dial to the right. Screen will show "HOLD" when plunger arrivals are cleared.

## TO CHECK CYCLE COUNTS, VALVE OPENINGS AND CLOSINGS, PLUNGER RUNS, VALVE CYCLES, BATTERY VOLTAGE AND TOTAL OPEN TIME

Press HISTORY button and hold - information will appear on the screen.

The program contains an auto restart **OPTION** that restarts the controller in the event of an electrical disturbance. Controller will count down from 240 seconds and allow the operator to cancel the restart by simply pressing any key on the faceplate during the countdown. To activate this option, please call the service department at 800-777-8617.

## Module Wiring Connections

These connections are located behind the faceplate of the controller.

<b>Red (batt.)</b>	• Red wire from battery
<b>Blk. (batt.)</b>	• Black wire from battery
<b>Solar (+)</b>	• Red wire from solar panel
<b>Solar (-)</b>	• Black wire from solar panel
<b>B4 (+)</b>	• Power wire (Red) from B-4 sensor
<b>Sens. (red)</b>	• Sensing wire (White from B-4) (Red from Beagle sensor)
<b>Sens. (blk)</b>	• Negative or com wire from sensor (Black)
<b>Aux. In</b>	• Optional device to shut in well.
<b>Open In</b>	• Optional device to open motor valve.
<b>Close In</b>	• Optional device to Close motor valve.
<b>Com</b>	• Optional device common or negative.
<b>Red (val.)</b>	• Red wire from solenoid to open M/V.
<b>Blk. (val.)</b>	• Black wire from solenoid.
<b>Grn. (val.)</b>	• Green wire from solenoid to close M/V

## LIMITED WARRANTY

Multi Products Company products are warranted to be free from defects in material and workmanship for a period of ONE (1) YEAR. Parts will be replaced free of charge for the full warranty period while labor to replace defective parts will only be provided for One Hundred-Eighty (180 days) from the date of receipt. Thereafter, purchaser must pay for the labor involved in repairing the product or replacing the parts at the prevailing rate together with any transportation charges to or from the place where warranty service is provided. This warranty is extended by Multi Products Company, 7188 State Route 39 East, Millersburg, Ohio 44654, to the original purchaser only.

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED WHICH ARE SPECIFICALLY EXCLUDED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO EVENT SHALL MULTI PRODUCTS COMPANY BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

In the event of a defect, malfunction or failure to conform to specifications established by seller, or if appropriate, to specifications accepted by seller in writing during the period shown, Multi Products Company, at its option, will either repair or replace the product or refund the purchase price thereof, and such action on the part of Multi Products Company shall be the full extent of Multi Products Company's liability hereunder.

This warranty is void if:

- The product is used in other than its normal and customary manner, including corrosive environments.**
- The product has been subject to misuse, accident, neglect or damage**
- Unauthorized alterations or repairs have been made, or unapproved parts used in the equipment.**

In order to obtain performance of this warranty, purchaser must contact its Multi Products Company sales representative or Multi Products Company at the address above.



**MULTI PRODUCTS COMPANY, INC.**  
7188 State Route 39 East • Millersburg, OH 44654  
**330-674-5981 • www.plungerlift.com**