



# PRECISION PLUMBING PRODUCTS

www.pppinc.net

Division of JL Industries, Inc.

802 SE 199th Avenue

Portland, Oregon 97233

(503) 256-4010 ~ FAX: (503) 253-8165

*"Specify with confidence - Install with pride."*®

Mini-Prime Series Electronic Trap Priming System

Installation Instructions

UPC Listed

UL Listed

125 PSI MAX

**MPB-500-115V**

**MP-500-115V**

120 VAC

**MPB-500-24V**

**MP-500-24V**

24 VAC

**MPB-500-220V**

**MP-500-220V**

240 VAC



## DESCRIPTION:

Mini-Prime is an electronically activated trap priming device. Primer functions at a pre-selected time, delivering potable water across an air gap funnel. (CAUTION: This unit is not a pressure feed trap priming system. The device must always be higher than the drains it serves. Trap supply lines should be sloped to discharge point.)

## OPERATION:

A preset timer energizes a normally closed electronic solenoid valve. Potable water flows across the air gap and is distributed via trap primer feed lines. The timer then de-energizes the solenoid allowing it to close until the next operational cycle. The furthest recommended distance of makeup line is approximately 20' to floor drain. Trap Primer must have continuous slope to the floor drain.

## INSTRUCTIONS PERTAINING TO A RISK OF FIRE ELECTRIC SHOCK, OR INJURY TO PERSONS

\*\*\* IMPORTANT SAFETY INSTRUCTIONS \*\*\*

\*\*\* SAVE THESE INSTRUCTIONS \*\*\*

**WARNING** - When using electric appliances, basic precautions should always be followed, including the following:

- a) Read all of the instructions before using the appliance.
- b) Do not contact moving parts.
- c) Only use attachments recommended or sold by the manufacturer.
- d) Do not use outdoors.

To disconnect turn all controls to the off position, then remove plug from outlet.

Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.

Unplug from outlet when not in use and before servicing or cleaning.

Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions or is dropped or damaged in any manner. Return appliance to the nearest authorized service facility. For examination, repair, or electrical or mechanical adjustment.

- e) For a permanently connected appliance - turn the power switch to the off position when the appliance is not in use and before servicing or cleaning.
- f) For a grounded appliance - Connect to a properly grounded outlet only. See grounding instructions.

## GROUNDING INSTRUCTIONS

This appliance must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.

\*\*\*SAVE THESE INSTRUCTIONS\*\*\*

## INSTALLATION: MPB Series

1) Anchor control box to stud or surface wall using wood screws or appropriate surface fasteners. **Device must be installed a minimum of 12" above flood level of device being served. (Consult Local Authority) Must have a minimum 12" (305mm) from bottom of outlet before a 90° elbow can be installed.**

2) Remove access cover to expose timer control box and solenoid valve. Remove cover screws to timer control box to make a three wire connection. Black is "hot", white is neutral and green is ground. (DANGER: This is a high voltage connection). All wiring must be in accordance with local and national electrical codes. Replace cover.

3) Connect 1/2" male NPT solenoid inlet to a fresh water line using Teflon tape. Connect 1/2" female air gap discharge fitting to trap feeder line or to a PPP distribution unit for multiple drains (optional). 4) Connect primer feeder line to trap, making sure line is properly sloped for gravity feed.

5) Energize and check for proper operation with test switch.

## INSTALLATION: MP Series

1) Anchor timer box to stud or surface wall using wood screws or appropriate surface fasteners. Unit must be mounted behind a finished wall. A PPP model D814 access door is recommended. **Device must be installed a minimum of 12" above flood level of device being served. (Consult Local Authority) Must have a minimum 12" (305mm) from bottom of outlet before a 90° elbow can be installed.**

2) Remove cover screws to timer control box and make a three wire connection. Black is "hot", white is neutral and green is ground. (DANGER: This is a high voltage connection). All wiring must be in accordance with local and national electrical codes. Replace cover.

3) Connect 1/2" male NPT solenoid inlet to a fresh water line using Teflon tape. Connect 1/2" female air gap discharge fitting to trap primer feeder line or to a PPP distribution unit if serving multiple drains. 4) Connect primer feeder line to drain, making sure line is properly sloped for gravity feed.

5) Plug DIN connection onto solenoid, fasten screw. Energize and check for proper operation with the test switch.

II-MP-01 Rev. 05/19

WATER HAMMER  
ARRESTORS

TEMPERA  
ANTI-SCALD VALVES

BAC-2-BAC  
MANIFOLDS

TRAP PRIMER VALVES  
AND MANIFOLDS

THERMOSTATIC MIXING  
VALVES



# Statement of Warranty

**Precision Plumbing Products** of Portland, Oregon (USA) warrants our manufactured products to be free from defects and workmanship under normal use and service. The sole and exclusive remedy for our manufactured products that do not conform to this limited and express warranty and our sole obligation under this limited and express warranty is to replace the defective part or product during the three year period after original installation.

This warranty excludes any parts or products that are modified or improperly installed or installed where PH levels, chemical conditions or electrolysis prematurely degrade the product. We specifically disclaim any warranties or responsibility for defects due to quality, material, dimensional tolerances or quality control of any fitting or other third party supplied parts or components. **EXCLUSIONS OF ALL OTHER WARRANTIES INCLUDING IMPLIED WARRANTIES:** All other warranties, including the implied warranties of **MERCHANTABILITY** and fitness for a particular purpose, are **EXCLUDED** from this transaction and shall not apply to goods sold by us.

The above warranties are in lieu of all other warranties and representations, express or implied, and all other obligations or liabilities on our part. We shall not be liable for consequential damages, loss of profit, interruption of business or any other special, incidental, or punitive damages suffered or sustained by Customer. Any part or products being returned under this warranty must have prior authorization by us. Any part or product received by us without a return of goods authorization will be returned to the shipper.

All returned merchandise must be prepaid by shipper. Our personnel, including salespeople, as well as independent distributors and sales agents may have made oral statements about our products. Those statements are not warranties by us and should not be relied on by the buyer/customer/user. If you use this product you are agreeing to this warranty contract between us. This writing constitutes the final expression of the parties and is the complete and exclusive statement of that contract for warranties.

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# Precision Plumbing Products

802 S.E. 199th Avenue, Portland, Oregon, 97233 (503) 256-4010

## ADJUSTABLE TIMER - Model #'s

**TMR-1-115V-ADJ**

**TMR-1-24V-ADJ** Match Timer Voltage to Solenoid Voltage

**TMR-1-220V-ADJ**

**EXAMPLE OF FACTORY SETTING:** 6 seconds "ON" time, 24 hours "OFF" time.  
12 seconds "ON" for MP & MPB.



**ON TIME:**

**Top switch to the right all others to the left**

**OFF TIME:**

**8 and 16 to the right all others to the left**

### Run Time

Run time is given in minutes. Therefore 0.1 switch represents one tenth of a minute, or 6 seconds. The 0.2 switch represents two tenths of a minute, or 12 seconds. The 6.4 switch represents 6 minutes and 24 seconds (.4 times 60 seconds equals 24 seconds). These switches are cumulative. All ON TIME switches set to the "ON" position must be added together to determine the total run time.

### Off Time

"OFF" time is given in hours. Therefore "1" switch represents one hour. The "512" switch represents over 21 days (512 hours divided by 24 hrs/day). These switches are cumulative. All OFF TIME switches are cumulative.

The example above shows the standard factory setting of 6 seconds run time and 24 hrs. off time

### PROJECT SUBMITTAL

Project: \_\_\_\_\_

Contractor: \_\_\_\_\_

Engineer: \_\_\_\_\_

Date Submitted: \_\_\_\_\_

Prepared By: \_\_\_\_\_