

PRECISION PLUMBING PRODUCTS



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.”®

Prime Time and Mini-Prime EMS Series Electronic Trap Priming System

Installation & Maintenance Instructions

UL Listed
UPC Listed
125 PSI Max.



Models: **PT-4-EMS through 2130-EMS & PTS-4-EMS through 2130-EMS**
MPB-500-EMS-24V

DESCRIPTION:

Prime Time is an electronically activated trap priming device. The system functions pre-selected sequence, delivering potable water to floor drains through a restricted manifold. (CAUTION: THIS UNIT MUST ALWAYS BE INSTALLED ABOVE ALL DRAINS IT IS INTENDED TO SERVE. ANY BACK PRESSURE WILL ENGAGE THE ATMOSPHERIC VACUUM BREAKER CAUSING WATER TO BE RELEASED INSIDE THE CONTROL CABINET.)

OPERATION:

Through the buildings Energy Management System a normally closed electronic solenoid valve can be programmed to open and close according to need. This will allow potable water under system pressure to enter the supply manifold and be distributed via fittings, to the designated floor drains.

TIMER: Standard recommendation of 6 seconds on every 24 hours, adjust as needed.

INSTALLATION:

1) Anchor flush mount cabinet (PT/MPB Series) to studs with #14 wood screws. Remove cover and anchor surface mount cabinet (PTS Series) to wall using 1/4" fasteners designed for the surface in question. **(PT/PTS Series) -Device must be installed a minimum of 12" above flood level of device being served.**

(MPB) - Device must be installed a minimum of 12" above flood level of device being served. Must have a minimum of 12" from bottom of outlet before a 90° elbow can be used. Allow one foot of elevation for every 20 feet of distance ran for floor drain make up line.

(CAUTION: ENSURE MANIFOLD AND BOX ARE INSTALLED LEVEL AND SQUARE.)

2) Remove cover screws from the composite enclosure containing the test switch and circuit breaker, make 3 or 4 electrical connections according to need. (See Wiring Diagram) All wiring must be in accordance with local and national electrical codes.

The terminal shown as 24V is for optional connection to allow a constant 24V used in conjunction with test button for local activation.

3) Connect a fresh water line to the 3/4" NPT inlet ball valve.

4) Connect appropriately sized (3/8" or 1/2" ID) copper supply lines to the manifold. (CAUTION: USE TWO WRENCHES WHEN MAKING COMPRESSION FITTING CONNECTIONS.)

5) Energize the system. Test for leaks by holding down the manual override button marked "Test". Make certain all make up lines are free of debris by observing water flowing into the drains during testing. Should the circuit breaker trip, reset by pushing in. Recheck wiring and voltage.

WATER HAMMER
ARRESTORS

TEMPERA
ANTI-SCALD VALVES

BAC-2-BAC
MANIFOLDS

TRAP PRIMER VALVES
AND MANIFOLDS

THERMOSTATIC
MIXING VALVES

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.
Do not operate any appliance 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 - De-energize when the appliance is not in use and before servicing or cleaning.
- f) For a grounded appliance - Connect to a properly grounded service only.
See grounding instructions.

GROUNDING INSTRUCTIONS:

This appliance must be connected to the grounded metal stud inside the cabinet.

EMS 24V SURFACE MOUNT

Cabinet Size: 12" x 12" x 4"

MODELS: MPB-EMS -24V

EMS 24V SURFACE MOUNT

Cabinet Size: 12" x 12" x 4"

MODELS: PTS-4-EMS Thru PTS-12-EMS

MODEL: PTS-1320-EMS

MODEL: PTS-2130-EMS

EMS 24V FLUSH MOUNT

Cabinet Size: Inside Dimensions

MODELS: PT-4-EMS Thru PT-12-EMS 14"W x 16"L x 3 3/8"D

MODEL: PT-1320-EMS 20 1/2"W x 16 1/2"L x 3 3/8"D

MODEL: PT-2130-EMS 30 1/2"W x 20 1/2"L x 3 3/8"D



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