

## HC40 Automatic Humidifier Flushing Timer

**TRADELINE®**

### INSTALLATION INSTRUCTIONS

#### APPLICATION

The HC40 Automatic Humidifier Flushing Timer automatically flushes accumulated mineral deposits from reservoir type humidifiers. The humidifier is drained every 12 hours, for approximately 7 1/2 minutes. The process uses less than five gallons of water per day. It generally reduces the frequency of required cleanings and maintenance to once a season. Actual frequency is determined by water supply mineral content.

#### INSTALLATION

**Important:**

*All plumbing and electrical connections must comply with all the local codes and ordinances for the area.*

#### Location

#### ! CAUTION

- Drain tubing must not kink, come into contact with sharp edges or hot surfaces since property damage can occur.
- Drain tubing must run on a continual down hill slope to allow proper drainage and prevent any possible overflow or property damage.

Choose an appropriate location for the timer mounting before installing the HC40 timer. See Fig. 1 and 2. The timer must be located:

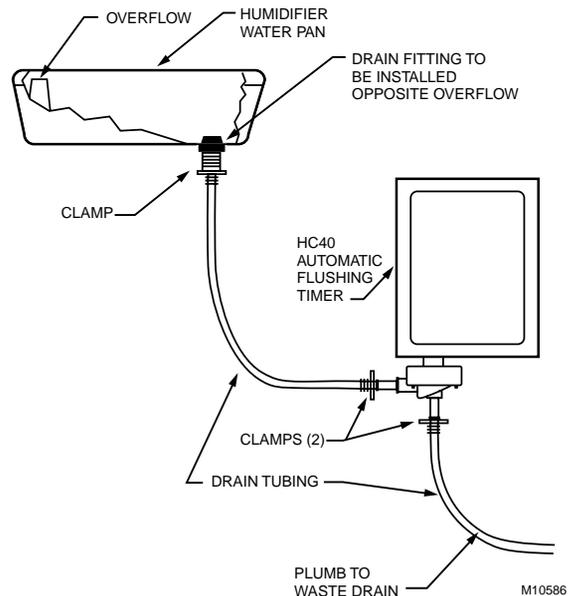
- near waste drain for disposal of flushing water;
- at a maximum distance of five feet from a fused electrical outlet;
- at a maximum distance of three feet from the humidifier.

#### Mounting and Plumbing

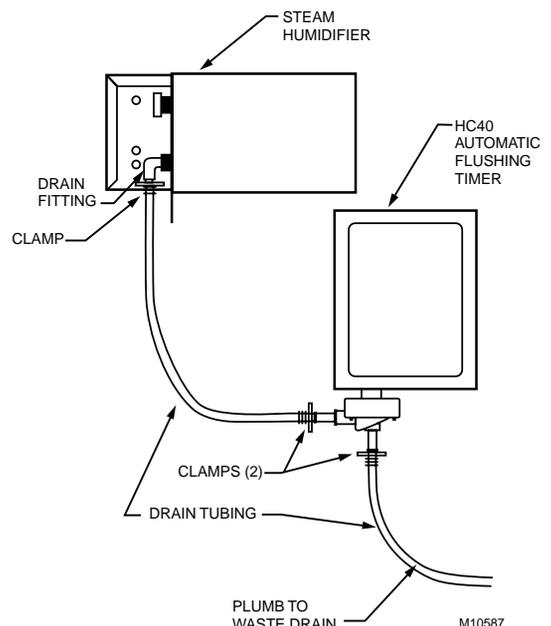
**Important:**

*Some installations require additional fittings. All fittings must be brass or stainless steel.*

1. Clean the humidifier as described in the owners manual.
2. Attach the drilling template to the right or left hand corner of water pan depending on the location of the water valve. See Fig. 3 and 4.



**Fig. 1. Typical installation of the automatic flushing timer on a HE120 humidifier.**

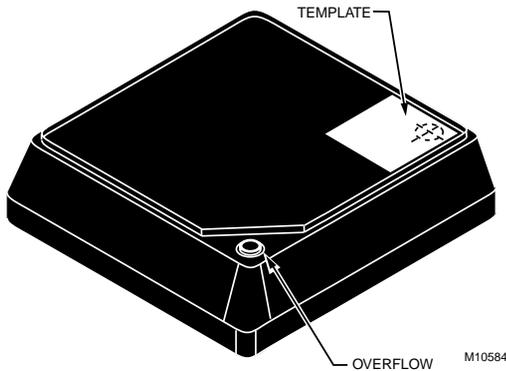


**Fig. 2. Typical installation of the automatic flushing timer on HE420 or HE460 humidifier.**

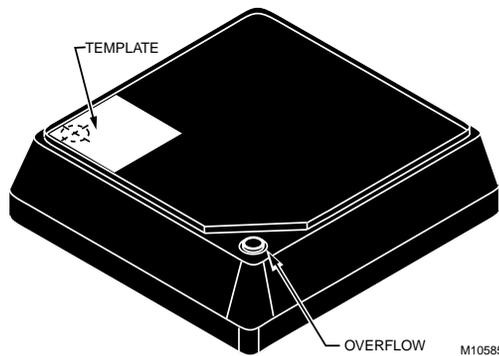


**Important:**

When installing on HE120 humidifier, the installer must choose an appropriate location for the hole. Be sure it does not interfere with the humidifier moving parts or disrupt operation.



**Fig. 3. Attach the template on the right hand side of the drain fitting for humidifiers with the water valve entering the right hand side of the humidifier cabinet.**

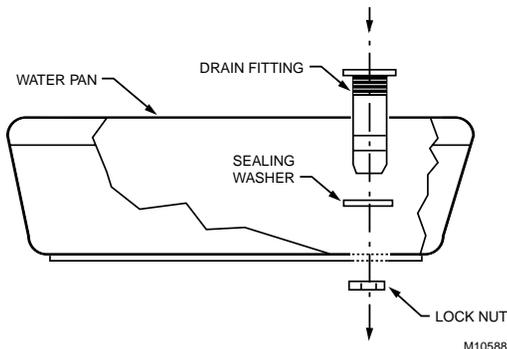


**Fig. 4. Attach the template on the left hand side of the drain fitting for humidifiers with the water valve entering the left hand side of the humidifier cabinet.**

3. Drill 1/2 in. hole.

NOTE: On models other than HE120, HE420 and HE460, it can be necessary to drill a 1 in. hole in the humidifier cabinet for the drain fitting.

4. Attach drain fitting to water pan. See Fig. 5.



**Fig. 5. Attach the drain fitting to the water pan.**

5. Remove the timer cover.
6. Use screws to attach the timer to the mounting surface.
7. Replace the timer cover.
8. Cut a piece of drain tubing to reach from the humidifier fitting to the timer fitting.

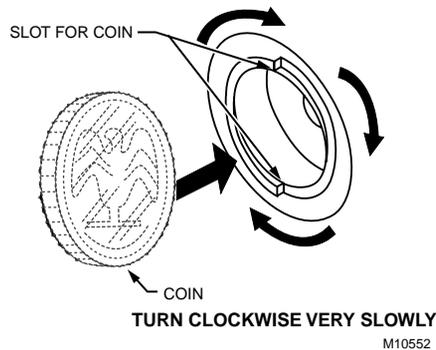


**CAUTION**

Drain tubing must not kink, come into contact with sharp edges or hot surfaces since property damage can occur.

9. Cut a second piece of tubing to reach from the flushing unit to the drain.
10. Use clamps or suitable fittings to connect the tubing to the humidifier and drain.
11. Return humidifier to its normal operating mode and properly adjust the water level.
12. Plug the timer into the electrical outlet.
13. Verify the timer operation by activating the humidifier with a coin (quarter) very slowly turning the plastic indicator clockwise. See Fig. 6.

NOTE: This should activate the drain valve and allow water to flow from the unit to the drain.



**Fig. 6. Turning the plastic indicator on the side of the timer.**

14. Check all fittings for leaks and tighten if necessary.
15. Allow the timer to run for one complete cycle (7 1/2 minutes). This assures that proper cycle time has been obtained.

NOTE: — Be sure to complete the installation before activating the timer. Some vibrating noise will occur if there is no water. The noise will stop when water is present.  
 — Disregard the 90 degree barbed fitting (included) when installing on the HE120 humidifier.

**Home and Building Control**

Honeywell Inc.  
 Honeywell Plaza  
 P.O. Box 524  
 Minneapolis, MN 55408-0524

**Home and Building Control**

Honeywell Limited-Honeywell Limitée  
 155 Gordon Baker Road  
 North York, Ontario  
 M2H 3N7



Helping You Control Your World®

