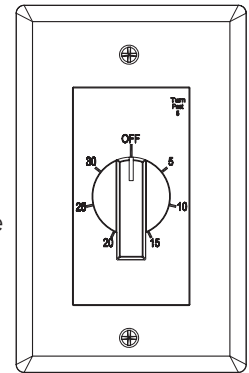


Mechanical 30-Minute Timer

For MrSteam CU Commercial Steambaths

FUNCTIONALITY OF THE TIME SWITCH

The CU Mechanical Timer will turn the steam solenoid on. During the preset running time, the normally open (N.O) switch activates the connected steam solenoid by closing the circuit. After the time has elapsed, the switch opens and deactivates the connected steam solenoid by opening the circuit again. To set the timer to the desire time setting, turn clockwise. Timer circuit will remain closed, until timer reaches the zero point. The boiler will no longer be energized at the zero point.



BEFORE USE

Before installing and using this timer, it is absolutely necessary that you read this operating manual thoroughly.

SAFETY INSTRUCTIONS

This timer may only be installed by a qualified, licensed electrician and must be installed in accordance with National and local codes.

! WARNING SHOCK HAZARD! Install the timer per these instructions before connecting to the main supply. Never touch live contacts or components.

! WARNING Protection from contact with the line voltage components must be achieved by proper installation in a 2 x 4 junction box. When installing the timer, ensure the fastening sliders prevent the timer from being removed.

! WARNING DO NOT install the timer in a wet or damp location.

! WARNING DO NOT install the timer inside the steam room.

1. INSTALLING THE TIMER

Figure 1 shows the default position of the normally open 30-minute timer switch.

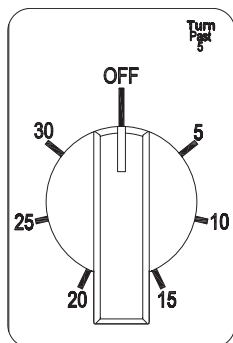
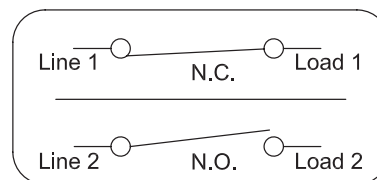


Figure 1

Maximum run time can be set up to 30 minutes.



IMPORTANT NOTE: Only use the normally open (N.O.) terminal when wiring the mechanical timer.

IMPORTANT NOTE: As you follow these instructions, you will notice warning and caution symbols. This information is important for the safe and efficient installation and operation of this generator. These are types of potential hazards that may occur during this installation and operation:

! CAUTION states a hazard may cause serious injury or death if precautions are not followed.

! WARNING signals a situation where minor injury or product damage may occur if you do not follow instructions.

2. CONNECTING THE TIMER

- Remove one of the knockout holes on the left side of the boiler jacket.
- Remove jumper shown in figure 2. Wire the timer's normally open terminal to the terminal block, as shown in Figure 2.
- Mount the timer plate assembly on a 2 x 4 Electrical box (not supplied).

3. STEAM VENT

IMPORTANT: A steam vent (PN 104072) must be installed in the steam line between the steam generator and the steam solenoid valve when using a 30-minute timer as shown. The steam vent will release hydrostatic pressure in the boiler while filling when the 30-minute timer has timed out.

! WARNING Make sure the boiler and pipes are not hot and have no pressure before installing the steam vent.

1. The steam vent shall be plumbed into a Tee in the steam line between the boiler and the solenoid valve. Only one steam vent is required, even if the boiler services two rooms.
2. **IMPORTANT NOTE:** The steam vent should remain accessible for service.
3. The steam vent should be oriented vertically, with the threads down, as shown in Figure 3.
4. The steam vent is provided with 3/4" NPT male and 1/2" NPT female thread for connecting to the steam line.

SETTING A RUNNING TIME

To set the desired running time during which the steam generator will operate, turn timer knob clockwise. The steam solenoid connected to the timer is switched on. The displayed running time is counted down.

END OF RUNNING TIME

After the preset running time has elapsed, the timer switches the connected steam solenoid off.

Figure 2: Wiring Diagram

