



E1100 & E1200 SERIES IN-WALL TIMERS

Maximum load ratings
120V 60Hz
15A 1875W resistive
1/2 H.P. motor
8A inductive



This in-wall timer is designed for automatic switching of loads. It has easy to set tabs with minimum ON/OFF times of 20 minutes and a manual override. It can be used to replace or in place of any standard toggle or decorator style switch. Model E1221 can be wired to control one or two receptacles. The dual timer model E1222 can be used to control two different loads on different 24 hour schedules. Models covered by this instruction sheet include:

E1120 Single timer

E1220 Timer with toggle switch plate (toggle switch not included)

E1221 Timer with decorator style or GFCI switch plate (receptacle or GFCI not included)

E1222 Dual timer

INSTALLATION

CAUTION: BE SURE TO DISCONNECT POWER AT THE CIRCUIT BREAKER PANEL BEFORE BEGINNING TO WIRE.

1. Identify wires in the junction box. You must have access to both the hot and neutral of the 120 volt supply as well as one side of the controlled load.
2. If replacing an existing switch, remove the switch plate and the screws at top and bottom of the switch. Disconnect the wires.

3. Connect the leads as shown in the wiring diagrams below. It is important to connect the black timer lead to the hot side of the supply and the white timer lead to the neutral. The red timer lead is then connected to one side of the load. Securely connect wiring with solderless connectors provided. Be sure to securely connect any green wires to the junction box to provide a ground. Note that the timer can be mounted with the OFF/ON/AUTO override switch above or below the timer dial. This allows you to place the switch on the left or right side of the time dial in two-gang applications.

Special instructions for controlling a receptacle (Model E1221): For receptacle switching, the black lead must be connected to the hot side of the supply and the white lead to the neutral of the supply. The red lead must be connected to the hot side of the receptacle (the smaller slot of the two). The other side of the receptacle is then connected along with the white lead, which goes back to the neutral of the supply. See receptacle manufacturer's instructions for modifying and wiring receptacle so that one outlet remains powered at all times. Securely connect wiring with solderless connectors provided. Be sure to securely connect any green wires to the junction box to provide a ground.

4. Secure timer to junction box using two silver flathead screws provided. Note that the holes on the timer are slotted to allow proper alignment for the timer and switch.
5. Mount switch plate using white screws provided.

6. Return power to the timer at the circuit breaker.

TIMER SETTING

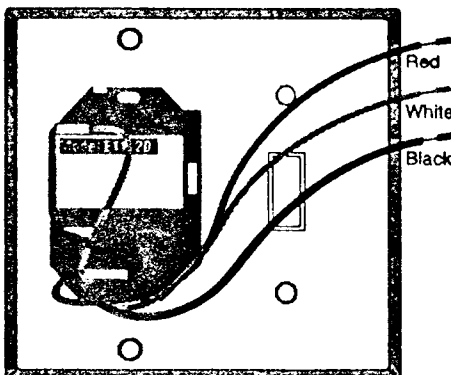
7. This timer is equipped with 72 tabs, providing up to 36 ON/OFF cycles daily. Each tab provides a 20 minute setting. Rotate the dial (dial rotates clockwise only) until the current time of day is lined up with the black arrow on the switch plate.

8. Slide the tabs inward for the times you wish the load to be turned ON and outward for the times you wish the load to be switched OFF.

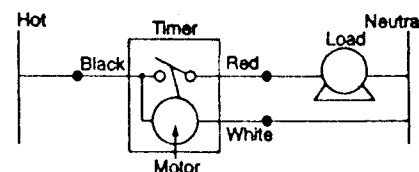
9. Slide the OFF/ON/AUTO switch to the AUTO  position to allow the tab settings to control the load.

Using the permanent ON  or OFF  override does not change the program setting, but it will prevent the load from switching automatically. During power outages the dial will stop rotating, requiring you to reset the dial to the correct time of day when power resumes.

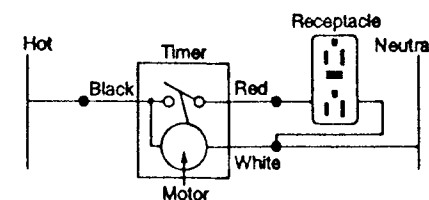
Timer Leads Step 3



Wiring Diagrams Step 3

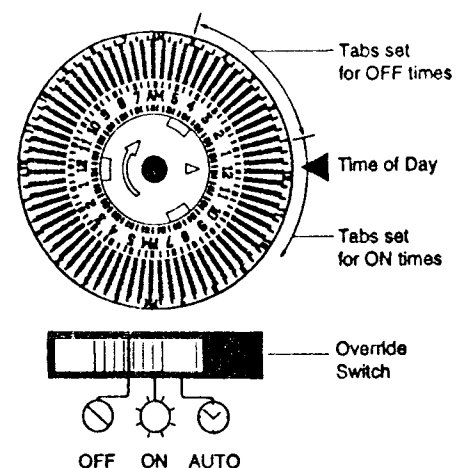


Replacing Wall Switch



Controlling Receptacle Outlets

Timer Setting Steps 7-9



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