

1 Applications

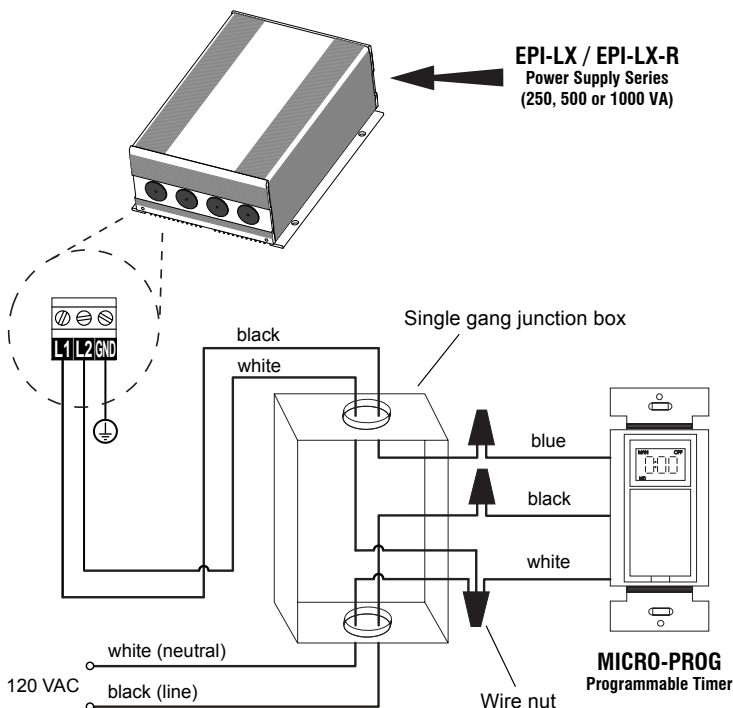
The MICRO-PROG is a programmable timer switch for use with the EPI-LX / EPI-LX-R power supplies of the STEP WarmfloorTM radiant heat system.

Load type	Maximum load	Examples
Magnetic load	1000 W (8 A @ 120 VAC)	<ul style="list-style-type: none"> EPI-LX Power Supply EPI-LX-R Power Supply ¹

¹ To enable line voltage switching on EPI-LX-R power supply, place a jumper wire between terminals TRG and 24.

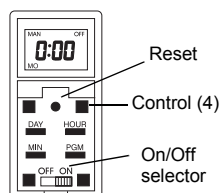
2 Installation

- 1 Cut power at the circuit breaker to avoid electric shock.
- 2 Install the new switch as shown in the diagram below.
- 3 Apply power at the circuit breaker.



3 Power-On

- 1 Pry the switch door open from the bottom using a small screwdriver.
- 2 Ensure the **ON/OFF** selector is set to ON.
- 3 Reset the switch using a paper clip. **0:00** and **MO** will flash.



If the display is blank:

- Ensure the **ON/OFF** selector is properly engaged in the **ON** position. Push it to the right using a small screwdriver.

4 Setting the Clock

NOTE: The switch displays the time in 24-hour format by default or following a reset.

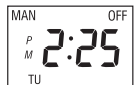
- 1 To change to 12-hour format (or vice versa), proceed as follows:
 - a) Press one of the control buttons to ensure the **MAN** or **AUTO** indicator is displayed.
 - b) Press the **MIN** and **HOUR** buttons simultaneously and briefly (**0:00** display = 24-hour, **12:00** display = 12-hour).
- 2 Set the time using the **HOUR** and **MIN** buttons. If you have selected the 12-hour format, ensure that **PM** appears on the screen when an afternoon time is displayed.
- 3 Set the day by using the **DAY** button.
- 4 Press one of the control buttons or close the switch door to return to normal operation.

5 Selecting the Operating Mode

The programmable switch has 2 operating modes: manual (**MAN**) and automatic (**AUTO**). To switch mode, press the switch door for 3 seconds.

Manual Mode

The programmable switch operates as a regular switch. Briefly press the switch door to turn the lights On or Off. The mode (**MAN**) and state (**ON** or **OFF**) are displayed.



Automatic Mode

The programmable switch follows the programmed schedule. The mode (**AUTO**), state (**ON** or **OFF**) and current program number are displayed.

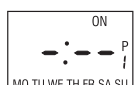
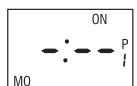


To temporarily override the programmed schedule, briefly press the switch door. The new state (**ON** or **OFF**) will flash to show that this state is temporary. The override remains in effect until you press the switch door again or until the beginning of the next program.

6 Programming

You can set up to 7 programs. To set a program, you need to enter its start time (**ON**) and its end time (**OFF**).

- 1 Pry the switch door open using a small screwdriver.
- 2 Press the **PGM** button to display a program and its On or Off time. For example, when you first press **PGM**, program number 1 (**P1**) and its On time (**ON**) will appear. - : - - will appear instead of the time if the program is not set (inactive).
- 3 Press the **DAY** button to select the day to which you want to apply the program.



NOTE: If you want to apply the program to every day of the week, press **DAY** until all the days are displayed. (This still counts as 1 program, not 7)

- 4 Press the **HOUR** and **MIN** buttons to set the **ON** time (time when you want the lights to turn on). If you have selected the 12-hour format, ensure that **PM** appears on the screen when an afternoon time is displayed.
- 5 After you have programmed the **ON** time, press the **PGM** button to display the **OFF** time (time when you want the lights to turn off).
- 6 Repeat steps 3 through 5 to program the **OFF** time. If the program **ON** time is set for every day of the week, the program **OFF** time will automatically be set for every day.
- 7 To set another program, repeat steps 2 through 6. Programs that are not set will remain inactive.
- 8 Press one of the control buttons or close the switch door to return to normal operation.



Clearing a Program

Press the **PGM** button until the desired program is selected. Hold the **PGM** button for 3 seconds. **-:-** appears when the program is erased.

7 Troubleshooting

Blank display	<ul style="list-style-type: none"> • Verify circuit breaker at main panel. • Ensure the ON/OFF selector is at ON. • Reset the switch using a paper clip.
Faded or irregular display	Ambient temperature below freezing point
Cannot switch between 24-hour format and 12-hour format	First, press one of the control buttons so that MAN or AUTO appears on display.
Programs do not run as expected	<ul style="list-style-type: none"> • Make sure the switch is properly programmed. • Note that -:- indicates an inactive program, 00:00 indicates midnight. • If the switch has been configured for 12-hour format, check that PM appears on the left side of the screen when an afternoon time is displayed.
The switch resets itself without apparent reason when used to control an inductive load such as a relay or a contactor.	The reset is caused by the load. Install a snubber (Honeywell AC130-03) at each relay/contactor.

8 Technical Specifications

Supply: 120 VAC, 50/60 Hz

Maximum load: 8 A / 1000 W, for use with EPI-LX / EPI-LX-R Power Supply Series (250, 500 or 1000 VA)

Operating temperature range: 5°F to 122°F (-15°C to 50°C)

Storage temperature range: -4°F to 122°F (-20°C to 50°C)

Power outage: The programs are protected by a rechargeable battery. The screen is blank during the power outage.

Certifications: CSA & UL

Warranty

Electro Plastics, Inc. (EPI) warrants this product to be free from defects in the workmanship or materials, under normal use and service, for a period of three (3) years from the date of purchase by the consumer. If during the warranty period the product is determined to be defective, EPI (at its sole discretion) shall repair or replace it.

If the product is defective,

- (i) return it, with a bill of sale or other dated proof of purchase, to the place from which you purchased it, or
- (ii) contact EPI. EPI will make the determination whether the product should be returned, or whether a replacement product can be sent to you.

This warranty does not cover removal or reinstallation costs. This warranty shall not apply if it is shown by EPI that the defect or malfunction was caused by damage which occurred while the product was in the possession of a consumer. EPI's sole responsibility shall be to repair or replace the product within the terms stated above. EPI SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some provinces, states or regions do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you. THIS WARRANTY IS THE ONLY EXPRESS WARRANTY EPI MAKES ON THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED TO THE THREE-YEAR DURATION OF THIS WARRANTY. Some provinces, states or regions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from province, state or region to another.



Customer Assistance

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