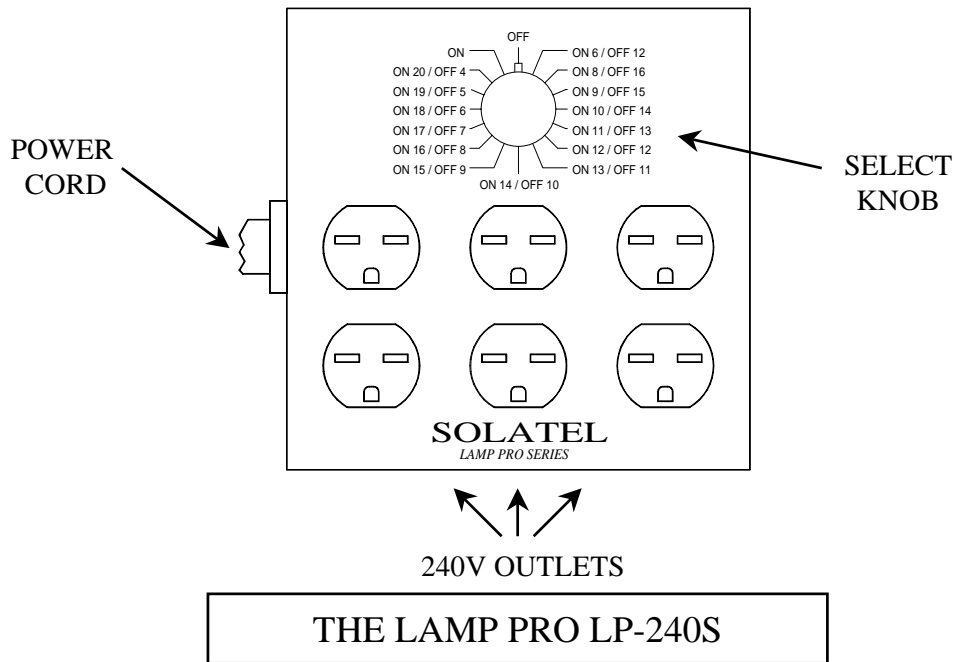


SOLATEL LAMP PRO LP-240S TIMER



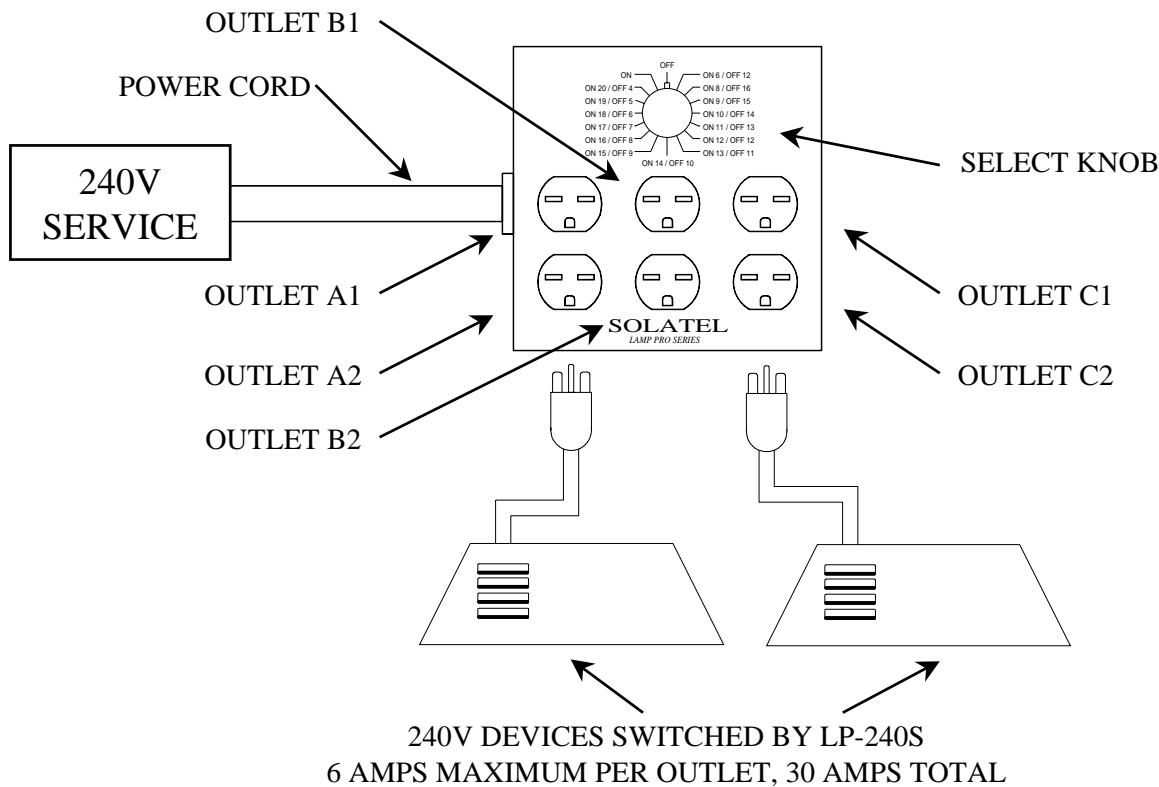
The Solatel LP-240S is a member of the Lamp Pro series of timers. It is easy to use with a single Select knob that clicks to any of 16 time settings. Settings include an accelerated 18 hour day cycle running ON 6 HOURS / OFF 12 HOURS. Thirteen normal 24 hour day settings cover ON 8 / OFF 16 to ON 20 / OFF 4 in one hour increments for growing both short day and long day plants. Also included are continuously ON and OFF settings.

The LP-240S provides six outlets for 240V lamps, 30 Amps total. If the circuit supplying power to the LP-240S cannot provide 30 Amps or the building circuit breaker cannot handle the inrush current at turn-on, then this will reduce the number of devices that can be controlled. The outlets are the type used for 240V equipment. This eliminates the risk of accidentally plugging a 120V device into a 240V outlet. The outlets are sequenced on and off. First two outlets turn on, 20 seconds later the next two, and 20 seconds after that the final two, going from left to right. This allows time for the start-up current surge (“inrush”) of two lamps to finish before the next two create their inrush current. This reduces circuit breaker tripping and other electrical problems. Turn off is sequenced with 5 second delays. An 8 foot power cord with unterminated wires allows hard wiring or the addition of a plug appropriate for an available outlet. The LP-240S can also be used with pumps, fans, or other devices.

Whenever the knob is changed to a new position and remains there for more than 1 second, the timer is reset and a new cycle is started. This 1 second delay allows the user to turn past undesired settings without them taking effect. If the outlets are on and the new position is any but OFF, then the outlets remain on but the timer is reset and starts counting out the new On time. If the outlets are off and the new position is OFF, then outlets remain off and counting stops.

When power is supplied to the Lamp Pro and the knob is not turned, it will delay 20 seconds and then start a new cycle. This delay allows the power line to stabilize when it comes back on after a power outage. Of course, if the knob is in the OFF position then the outlets will remain off. In normal usage, the knob should be in the OFF position when power is turned on. After power is supplied, the knob should be turned to the desired position. This will restart a new cycle of the desired type without the 20 second delay.

LP-240S INSTALLATION



Caution: Unless you know how to do 240V electrical wiring, please get help from someone who does!

- Plug the 240V devices to be controlled into the LP-240S. Each outlet can provide 6A maximum. The total current of all outlets is 30A maximum, less if the circuit breaker rating for the 240V service is smaller. Use devices with the correct plug, NEMA 6-15P.
- Use the outlets such that devices are as evenly distributed as possible among the A, B and C outlet pairs. When sequencing on or off, first are A1 and A2, then B1 and B2, and finally C1 and C2. For example, with 3 devices, plug one into outlet A1 or A2, one into B1 or B2, and one into C1 or C2.
- The Power Cord is 10 AWG, 3 conductor. The colors are BLACK - first 240V line, WHITE - second 240V line, GREEN - ground. Neutral is not required. Although two phases of a 208V three phase wye or delta system can be used, fewer devices can be controlled due to their increased current. Make sure that the devices are wired for 240V or 208V as required.
- If you have a suitable 240V outlet or can install one, add the appropriate plug to the Power Cord. Typical 240V outlets in a residence are: Air conditioner: 15A or 20A, electric clothes dryer: 30A, electric stove: 50A. Outlets in commercial or industrial buildings may be 240V or 208V.
- If you want to hardwire the Power Cord, use a strain relief suitable for a cord. Make sure that the service has an appropriate 2 pole breaker.
- **START-UP:** Turn the LP-240S Select knob to OFF. Plug the devices to be controlled into the LP-240S outlets. If a device has an On/Off switch, turn it on. Connect the LP-240S power cord to the 240V service. Turn the service on. Turn the LP-240S knob to the desired position. After it has been in the same position for one second, a timing cycle will start and the outlets will sequence on.