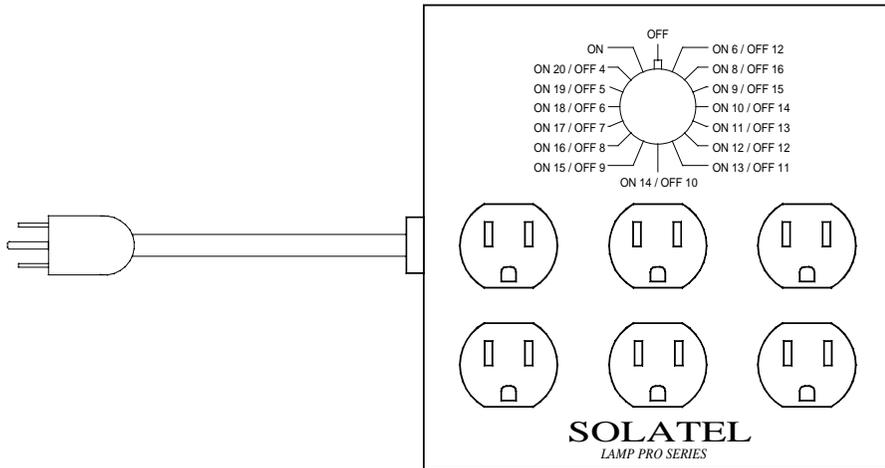


SOLATEL LAMP PRO LP-120S TIMER



THE LAMP PRO LP-120S

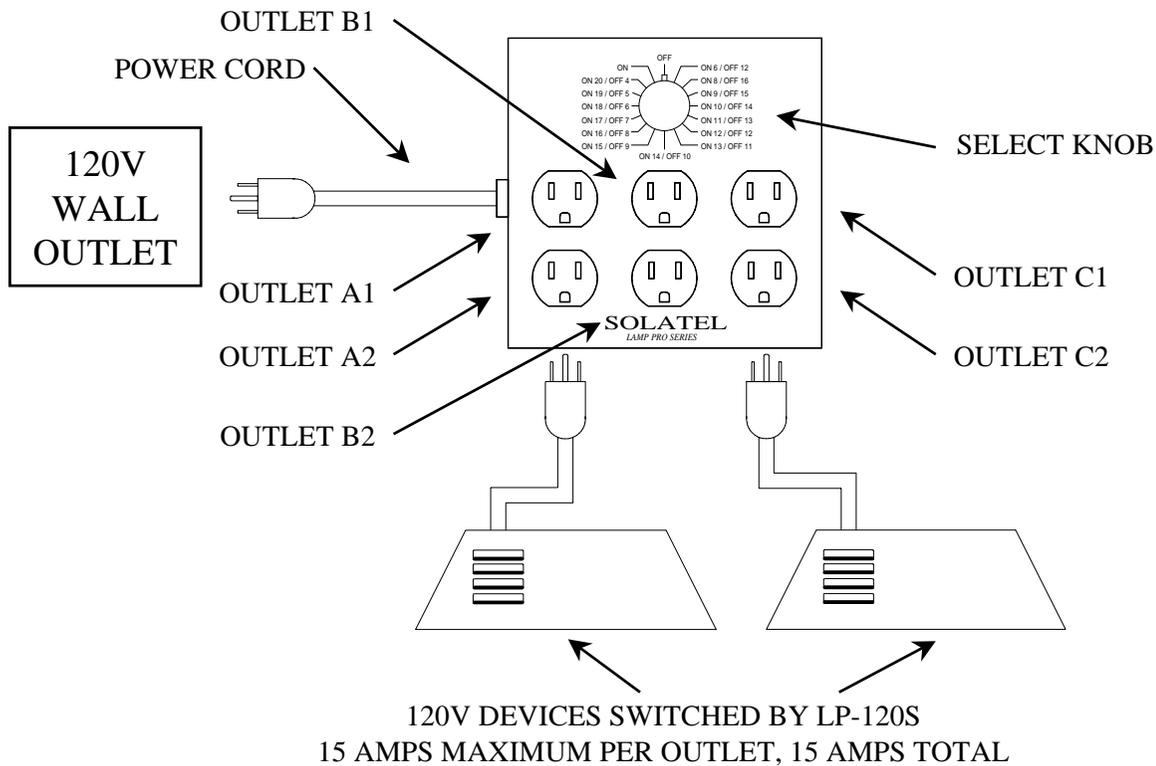
The Solatel LP-120S is a member of the Lamp Pro series of timers. It is easy to use with a single Select knob that clicks to any of 16 time settings. Settings include an accelerated 18 hour day cycle running ON 6 HOURS / OFF 12 HOURS. Thirteen normal 24 hour day settings cover ON 8 / OFF 16 to ON 20 / 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-120S provides six outlets for 120V lamps, 15 Amps total. If the circuit supplying power to the LP-120S cannot provide 15 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 standard 120V type. 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. It has a 6 foot power cord with a standard 120V plug. The LP-120S 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-120S INSTALLATION



- Plug 120V devices to be controlled into the LP-120S outlets. Each outlet can provide 15A maximum. The total current of all outlets is 15A maximum. If the circuit breaker for the wall outlet also supplies current to other devices, this may reduce the available current. Use devices with the correct plug, NEMA 1-15P (ungrounded) or 5-15P (grounded).
- 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.
- If more than 15A needs to be controlled, a Solatel Power Expander (PWX) can be used. Plug the PWX trigger cord into an LP-120S outlet. Plug the PWX power cord into a wall outlet that is on a different circuit breaker than the LP-120S. Plug the additional devices into the PWX outlets.
- **START-UP:** Turn the LP-120S Select knob to OFF. Plug the devices to be controlled into the LP-120S outlets. If a device has an On/Off switch, turn it on. Plug the LP-120S power cord into the 120V wall outlet. Turn the LP-120S 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.