Here we have a timed intake / exhaust cycle with synchronized CO2 functions. CO2 equipment operates according to schedule set on CST-1P. Room air changes are registered according to CST-1 set points. CO2 is replenished immediately after exhaust functions and defeated during darkness periods. Reverse CST timers to defeat both CO2 and exhaust functions when light is not present.
**INSTALLATION EXAMPLE**

The diagram above shows how to install the CST-1 to supply nutrient to a grow system. The CST-1 may be plugged directly into a standard 110 VAC wall outlet or into another Green Air Products Timer or Atmospheric Controller. When plugged into the wall, as in the example above, the CST-1 will perform the same timed operations indefinitely. The main nutrient pump is plugged into the short cycle (right) side of the CST-1. Nutrient is scheduled to the grow system and drains into catchment tank or directly back into the main tank. The CST-1 is ideal for spray stakes, drip emitters, ebb and flow or sprinklers.

This example shows the CST-1P being used to time CO2 production. CO2 equipment is defeated during exhaust functions and immediately replenished upon completion. Photo sensor permits CO2 enrichment during day light periods only.

---

**CHRONOMETRIC SEQUENCE TIMER**

**CST-1(P)**

The CST-1 has solved the age old problem of accurate short cycle timing. The only unit of its kind designed specifically for the control of grow systems. Easy to set and operate. Solid state time counter with adjustable frequency and duration. The CST-1 function timer has many uses you will notice as you look thru this manual. Only a few of them include: fogging or misting, spray stakes or drip system timing, air pumps, CO2 equipment and intake/exhaust fan control. Available with or without photo sensor feature.

**HOW TO OPERATE**

The CST-1S may be set for frequency and duration of timed events. Frequency is the time between the “On” and “Off” cycles. The frequency knob may be set from 7 minutes to 8 hours. Set this for desired time between functions. Duration is the length of time that a specific function or condition must be maintained. Duration may be set from 5 seconds to 30 minutes. Reset feature allows function synchronizing with other system controls. Right side of timer operates short cycle “On” times and left side outlets are “On” when right side is “Off”. This feature provides an interesting variety of timing combinations. Operates on 110 VAC with 15 Amp switching capacity.