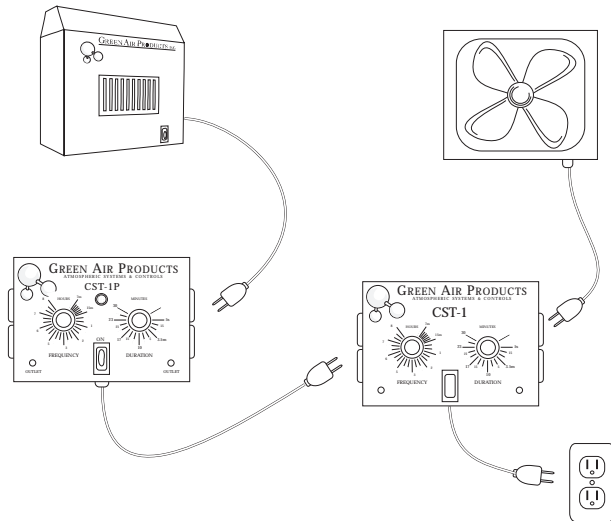


TIMED EXHAUST WITH CO₂ DEFEAT



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.

TWO YEAR LIMITED WARRANTY

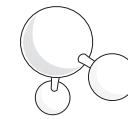
Green Air Products guarantees that this equipment will perform as implied for the purpose it is intended. Green Air Products warrants the original purchaser of this equipment against defects in mechanical parts and workmanship for 2 years and electrical parts for 90 days. At our option we will repair or replace defective equipment. Warranty service is only performed at the factory or authorized service center. Any usage contrary to proper application or alterations of original construction will void warranty obligations. For further warranty information contact your dealer or Green Air Products service department.

WARRANTY INFORMATION

1-503-663-2000

GREEN AIR PRODUCTS INC.

P.O. BOX 1318 GRESHAM, OREGON
97030 U.S.A. 503-663-2000



GREEN AIR PRODUCTS INC.
PROFESSIONAL GREENHOUSE EQUIPMENT

CHRONOMETRIC SEQUENCE TIMER



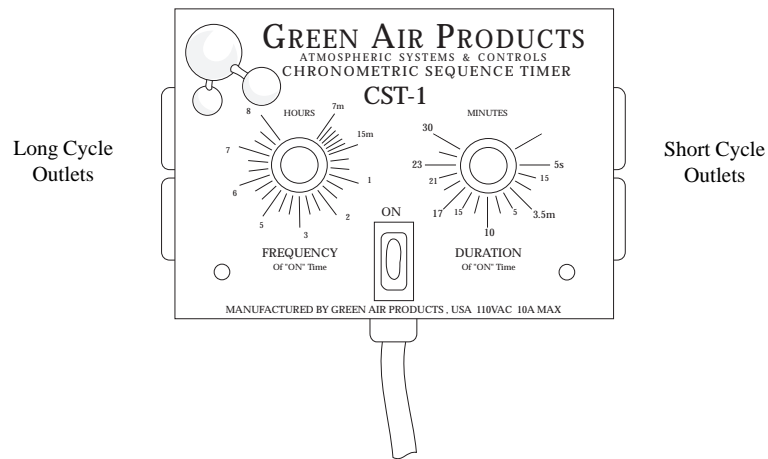
CST-1 & CST-1 P

INSTRUCTION MANUAL

CHRONOMETRIC SEQUENCE TIMER

CST-1(P)

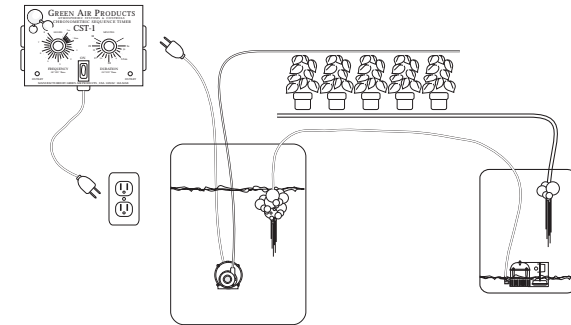
The CST-1 has solved the age old problem of accurate short cycle timing. The only unit of it's kind designed specifically for the control of grow systems. Easy to set and operate. Solid state time counter with adjustable frequency and duration. The CST-1 function timer has many uses you will notice as 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.



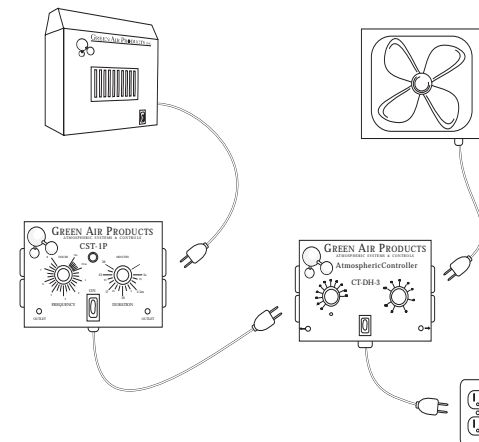
How To OPERATE

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.

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.