

STEP 500™ Control System

STEP 500 FEATURES:

- Day and night temperature settings.
- 3 stages of heating and 5 stages of cooling.
- Controls the majority of heating and cooling equipment.
- Energy savings through programmable lockout of stages.
- Equipment comes on gradually after a power failure.
- Color coded manual override switches.
- Includes an aspirated temperature sensor and 100' of cable.
- Includes an outdoor temperature sensor to anticipate heating needs, and 25' of cable.
- Replaceable 10 amp DPDT load relays.
- Displays greenhouse temperature.
- Modulating output voltage for proportional steam and hot water valves.
- Corrosion resistant anodized aluminum cabinet with locking door protects your control, 22" x 16" x 5" (556 x 406 x 127mm).

Benefits:

- Uniform plant growth.
- Reduces fuel costs.
- Increases productivity.
- Simplifies control and maintenance.



STEP 500 Control System with aspirator:
Part #: M-4600

STEP 500 Control with aspirator and outdoor temperature sensor



Example

**Five Gutter-Connected Houses
One Zone Environment
One STEP 500 Control**

Stages	Equipment Status
Heat – 3	- All 5 gas fired unit heaters on (houses 1-5) - HAF fans on - Curtain covers at night for heat retention
Heat – 2	- 2 gas fired unit heaters on (houses 1-5) - HAF fans on
Heat – 1	- 3 Gas fired unit heaters on (houses 1, 3, and 5) - HAF fans on
Set point	- HAF fans on
AC 1	- HAF fans on - 5 Roof vents - crack open - 1 Incremental Master Control & four 2R units
AC 2	- HAF fans on - Roof vents - half open
AC 3	- HAF fans on - Roof vents full open - Gable end vent half open - 2 Single speed exhaust fans on
AC 4	- Roof vent closes - Gable end vent full open - 3 Single speed exhaust fans on
AC 5	- Evaporative pad pump on - Energy curtain covers fully and remains covered until temp returns to setpoint