

Staged STEP Automation Controls

Wadsworth introduced staged control to the greenhouse industry in the 1960's. This simple concept of using a centralized temperature sensor for all heating and cooling equipment saves energy and improves the climate. Heating and cooling equipment is assigned to a stage. The equipment assigned to the stage turns on when the temperature for that stage is reached.

We trademarked our pioneering series of staged controls with the acronym, "STEP":

SIMPLE **T**OTAL **E**NVIRONMENTAL **P**ROGRAM

Today, Wadsworth offers more advanced, integrated STEP controls in addition to our staged STEP controls.



Our newest staged STEP control, the STEP Up, adds some of the features from the integrated line of STEP controls for more power and flexibility.

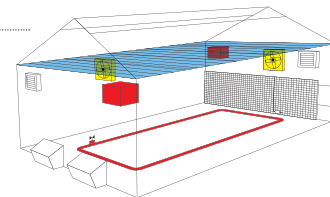
"STEP Up is a great control. It's super easy to use and packed full of features. The name STEP Up speaks volumes, growers need this control!"

— William Wendt
University of Florida
Jay, FL

64°
66°
70°
72°
74°
76°
78°

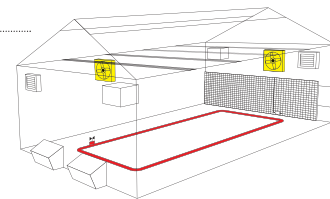
HT2 (64°)

- HAF Fans ON
- Unit Heaters ON
- Under Bench Heat ON
- Curtain Covers at night for heat retention



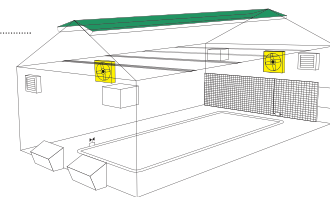
HT1 (66°)

- HAF Fans ON
- Under Bench Heat ON



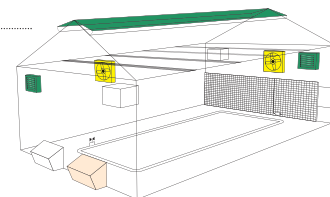
Set Point (70°)

- Ideal Temperature
- HAF Fans ON to circulate air
- Roof Vents modulate
- Shade Uncovered



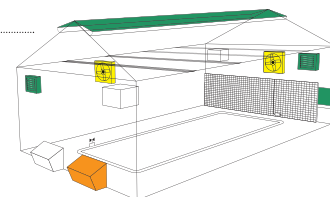
AC1 (72°)

- HAF Fans ON
- Motorized Louvers OPEN
- 2-Speed Fan ON-low
- Roof Vents Modulate



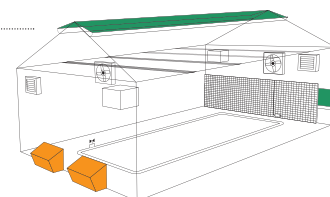
AC2 (74°)

- HAF Fans ON
- Motorized Louvers OPEN
- 2-Speed Fan ON-high
- Roof Vents Modulate
- Pad Vent 1/4 Open



AC3 (76°)

- HAF Fans OFF
- Motorized Louvers CLOSED
- 2-Speed Fan ON-high
- 1-Speed Fan ON
- Roof Vents Modulate
- Pad Vent 1/2 Open



AC4 (78°)

- HAF Fans OFF
- Motorized Louvers CLOSED
- 2-Speed Fan ON-high
- 1-Speed Fan ON
- Roof Vents Closed
- Pad Vent Full Open
- Pad Pump ON
- Shade Covers

