

**STEP 50A™**

*Tried and true, known and trusted, the **STEP 50A** may be the most widely used greenhouse control in the world. Its features, simplicity and ruggedness have won it a place with commercial growers, schools, universities and advanced hobbyists. Growers choose this control because it's so easy to operate — just turn the day and night knob to the desired temperature and the STEP 50A will do the rest.*

**Features:**

- 5 stages: 2 stages of heating and 3 stages of cooling
- Day and night temperature settings — simply turn the two knobs to indicate the desired temperatures
- Controls most heating and cooling equipment
- Energy savings through programmable lockout of stages
- Modulating output voltage for proportional steam and hot water valves
- Equipment comes on gradually after a power failure
- Color-coded manual override toggle switches
- Replaceable 10 amp DPDT load relays, can operate a wide variety of equipment — these relays reduce the cost of your contactor panel
- Durable corrosion-resistant cabinet with locking door protects your control:
  - 16" x 16" x 5" (406 x 406 x 127 mm)
- Solar-guarded aspirated temperature sensor and 100' of cable

**Advantages:**

**Easy to Use**

- Easiest control to operate in the industry — simply set the knobs to your desired day and night temperature, and the STEP 50A will do the rest
- Heating and cooling equipment is assigned to each stage

**Improves Crop Quality**

- Reducing night temperature mimics nature and improves crop quality
- Temperature is more accurate because the STEP 50A uses a centralized temperature sensor that is housed in a solar-guarded aspirated unit

**Reduces Fuel Costs**

- Lowering the greenhouse temperature at night, when 80% of the heating occurs, reduces energy consumption
- Stage lockout can prevent cooling equipment from running at night
- Using one central temperature sensor prevents heating and cooling from running simultaneously
- Wadsworth's solar-guarded, aspirated temperature sensor provides a more accurate temperature reading than unshielded sensors. For every 1° of improved accuracy you reduce energy consumption by 3%

**Increases Productivity**

- Automation allows you and your staff to focus on growing plants and running the business

*“We have some STEP50 controls in our older houses. They’ve been there for 26 years and they still work!*

*Wadsworth’s products are built the right way. They keep on working with minimal maintenance.”*

— Jimmy Klepac  
Klepac Greenhouses  
Blanco, TX



**Part #M-4010**

Requires 1amp @ 115 VAC  
Shipping Wt. 25 lb | 11.5 kg



**OPTIONAL EQUIPMENT**

**Alarm Manager**

Protects your crop by calling up to four phone numbers if the conditions get too hot or too cold. Requires a thermostat.



See page 22 for more information.

**Weather Guard**

Protects your structure by monitoring outdoor conditions. It will close the vents in extreme weather conditions.



See page 23 for more information.