

TrolMaster

BETA-2 Fan Speed Controller

BETA Series – Single Controller

Overview

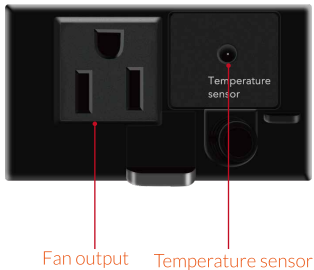
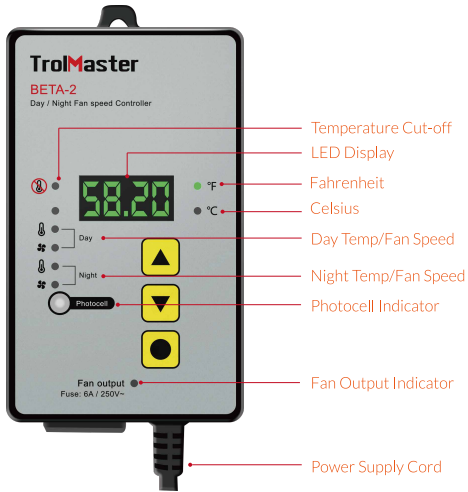
Thank you for purchasing the TrolMaster BETA-2 Fan Speed Controller. The BETA-2 is a simple and affordable way to control your fan. Choose your desired fan speed and temperature setpoint, when the temperature is lower than the setpoint, the controller will automatically maintain that specified fan speed. When the temperature is higher than the setpoint, the controller will output 100% power to the fan. When the temperature is lower than the cut-off setpoint, the controller will shut down the fan. A built-in photocell located on the controller automatically detects the day and night status, controlling the fan in day/night mode separately. A remote temperature sensor with 16ft long cable allows close placement to the plant canopy.

Features

- Built-in Photocell detecting day & night status.
- LED display, easy operation.
- Increases or decreases fan speed based on setpoint.
- Temperature control range is 41°F to 95°F.
- Sensor with 16ft long cable for close placement to plant canopy.
- 3 year warranty.

Installation

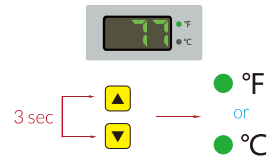
- Mount the Controller on wall, place the sensor in a well ventilated area.
- Connect the temperature sensor to the Controller.
- Plug the Controller into a AC wall outlet.
- Program the desired setting before connecting to your fan.
- Connect a fan to the Controller. Ensure that the fan has proper voltage (120V) and not exceeding its max amperage rating (6A).



Operation Instruction

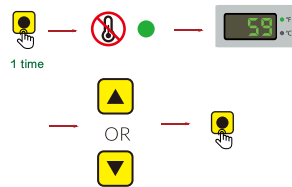
1. Reading Temperature

- a. When power turned on, the LED will display the current temperature.
- b. To change between the Fahrenheit and Celsius, press **UP** button and **DOWN** button at the same time for 3 seconds, the or LED indicator will be flashing alternately.







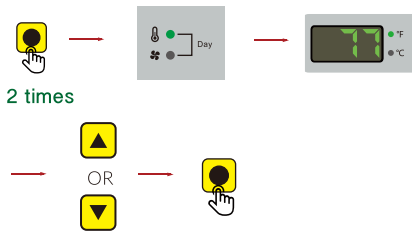
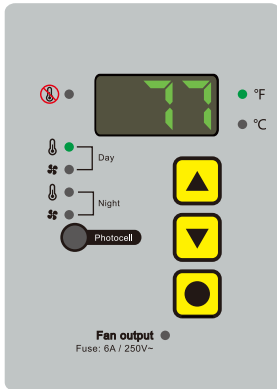
2. Set Cut-off Temperature

- Press **HOME** button one time, the LED will be blinking, the LED displays the current cut-off temp setpoint. Press **UP** button or **DOWN** button to increase or decrease the setting.







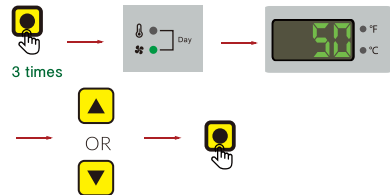
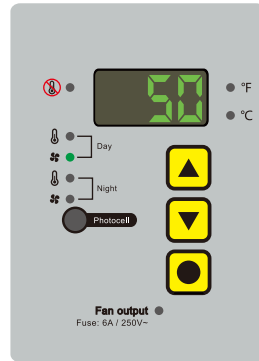
3. Set Day Temperature

Press **HOME** button  two times, the  LED will be blinking and the LED displays the current day temperature setpoint. Press **UP** button  or **DOWN** button  to increase or decrease the setting.







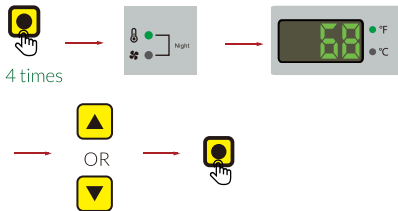
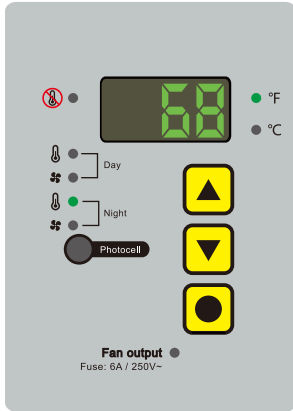
4. Set Day Fan Speed

Press **HOME** button  3 times, the  LED will be blinking and the LED displays the current day fan speed percentage. Press **UP** button  or **DOWN** button  to increase or decrease the setting.






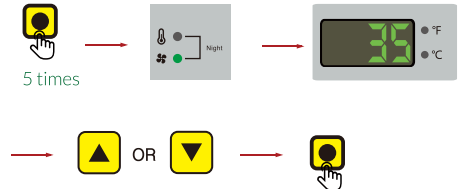
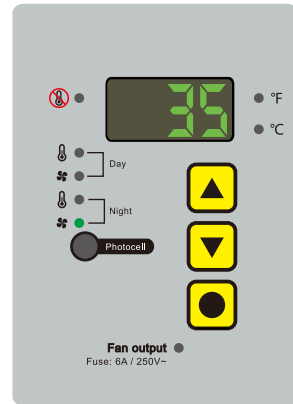
5. Set Night Temperature

Press **HOME** button  4 times, the  LED will be blinking and the LED displays the current night temperature setpoint. Press **UP** button  or **DOWN** button  to increase or decrease the setting.





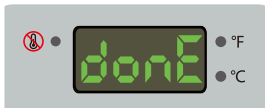
6. Set Night Fan Speed

Press **HOME** button  5 times, the  LED will be blinking and the LED displays the current night fan speed percentage. Press **UP** button  or **DOWN** button  to increase or decrease the setting.



7. Restore the Factory Settings

Press and hold **HOME** button  before plugging the Controller into wall outlet. Power the controller, the LED displays "rEST" and blinks. Keep holding the **HOME** button  for 5 seconds until the LED displays "donE".



Factory Default Settings

Day Temperature Set-point:	77°F
Day Fan Speed:	50%
Night Temperature Set-point:	68°F
Night Fan Speed:	35%
Cut-off Temperature:	59°F

Specifications

Input Voltage:	120 Volts AC
Output Switch:	Triac
Fuse Rating:	6A/250V~
AC Power Cord Length:	1.8m
Speed Control Range:	25~100%
Temperature Accuracy:	+/- 1F
Package Weight:	0.56Kg
Dimensions	130x78x46mm

TrolMaster

Assembled in China by

TrolMaster Agro Instruments Co., Ltd.

For more information, please visit

www.trolmaster.com