

# TrolMaster

## BETA - 6

Day/Night Humidity Controller

BETA Series – Single Controller

## Overview

Thank you for purchasing the TrolMaster's BETA-6 Day/Night Humidity Controller.

BETA-6 offers indoor gardeners an economical and simple method of monitoring and controlling humidity level within the grow area. It utilizes a highly visible and intuitive LED screen to let you know current humidity level or max/min humidity recorded values.

Choose your desired humidity setpoint for day and night mode. When the humidity is lower than the setpoint, the controller will automatically turn on the power supply of the humidifier for humidifying purpose and the its LED indicator stays on. When the humidity is higher than the setpoint, the controller will automatically turn on the power supply of dehumidifier for dehumidifying purpose and the corresponding LED indicator stays on.

It can also record the max and min humidity records during use.

A built-in photocell located on the sensor automatically detects the day and night status, controlling the humidity in day/night mode separately. A remote humidity sensor with 16 feet long cable allows close placement to the plant canopy.



## Features

- LED Display, Easy Operation
- Built-In Photocell Detecting Day/Night Status
- Alternative Humidifying or Dehumidifying Function
- Humidity Sensor with 16 ft Cable for Close Placement to Plant Canopy

## Installation

- Mount the Controller on the wall, place the sensor at plant height in a well-ventilated area.
- Connect the 2-in-1 sensor(SA-H1) to the Controller.
- Plug the Controller into a 120V NEMA 5-15 wall outlet.
- Plug a humidifier or dehumidifier into the power outlet of the unit. Ensure that the device has proper voltage (120V) and not exceed its max amperage rating (10A).



Up



Down



Home



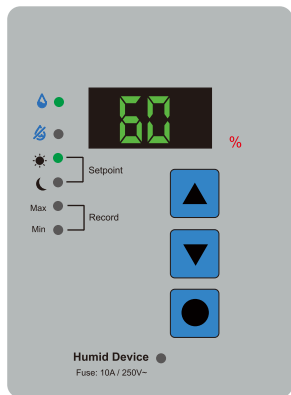
Power Output for  
Humidity Device

Humidity  
Sensor




# Operation Instructions

## 1. Reading Humidity

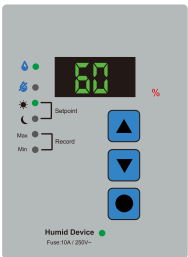
Connect the Humidity/Light 2-in-1 sensor(SA-H1) to the connector on the bottom. After power-on, the LED screen will display current measured humidity level.



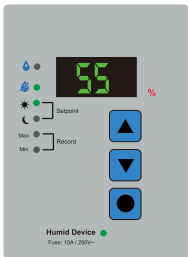
## 2. Set Humidifying or Dehumidifying Mode

Press the HOME button  for 1 time, the Humidifying LED indicator  or the Dehumidifying LED indicator  will be flashing and no digital display on the LED screen. Press UP or DOWN button to convert between Humidifying and Dehumidifying mode. The unit will automatically save the change.

When the connected device is for humidifying purpose (such as humidifier), please select the Humidifying mode. When the connected device is for dehumidifying purpose (such as dehumidifier), please select the dehumidifying mode.



Humidifying Mode



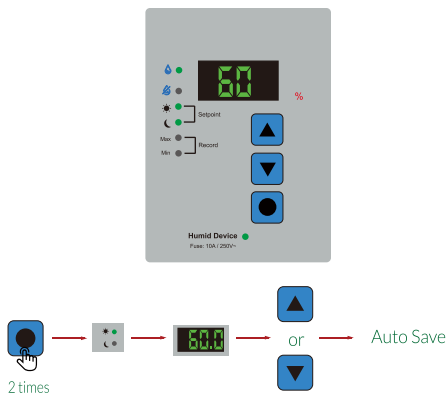
Dehumidifying Mode



### 3.Set Day Setpoint

Press the Home button for 2 times, the Day Setpoint LED indicator will be flashing and the LED screen will display current humidity Day Setpoint. Press UP or DOWN button to change the setpoint. The unit will automatically save the change.

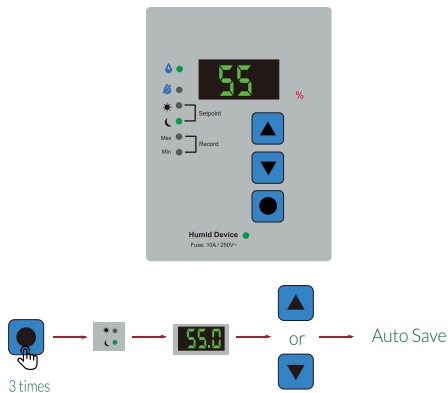
When the humidifying mode is selected (humidifier connected) and the humidity is detected BELOW the setpoint, the BETA-6 Controller will automatically turn on the power supply of the humidifier and its LED indicator stays on. On the contrary, when the dehumidifying mode is selected (dehumidifier connected) and the humidity is detected ABOVE the setpoint, the BETA-6 Controller will automatically turn on the power supply of the dehumidifier and its LED indicator stays on.



### 4.Set Night Setpoint

Press the Home button for 3 times, the Night Setpoint LED indicator will be flashing and the LED screen will display current humidity Night Setpoint. Press UP or DOWN button to change the setpoint. The unit will automatically save the change.

When the humidifying mode is selected (humidifier connected) and the humidity is detected BELOW the setpoint, the BETA-6 Controller will automatically turn on the power supply of the humidifier and its LED indicator stays on. On the contrary, when the dehumidifying mode is selected (dehumidifier connected) and the humidity is detected ABOVE the setpoint, the BETA-6 Controller will automatically turn on the power supply of the dehumidifier and its LED indicator stays on.



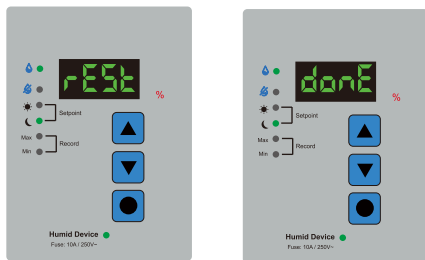
## 5.Max/Min Recorded Value

After power-on, the LED screen will display the current humidity. Press UP or DOWN button, the LED screen will display the Max or Min recorded value respectively. It will keep flashing for 1 minute and then turn back to normal measured humidity value. While the value is flashing, long press HOME button and the Max or Min recorded value will be deleted.



## 6.Restore the Factory Settings

To restore the factory setting, press and hold HOME button before plugging the Controller into wall outlet. After power-on, the LED screen will display "rEst" and then display "done" after 3 seconds.



## Factory Default Settings

Default Mode:	Humidifying
Day Humidity Setpoint:	60%
Night Humidity Setpoint:	55%

## Specifications

Input Voltage:	120 Volts AC
Output Switch:	Relay
Fuse Rating:	10A/250V~
AC Power Cord Length:	1.8m
Humidity Control Range:	20%-90%
Humidity Deadband:	5%
Packaging Dimensions:	275x 87x 94mm
Gross Weight:	0.56kgs

# TrolMaster

Assembled in China by

TrolMaster Agro Instruments Co., Ltd.

For more information, please visit

[www.trolmaster.com](http://www.trolmaster.com)