Day/Night Humidity Controller (BETA-6) User Manual

BETA-8 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 usage.

A buit-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.

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BETA-6
Day / Night Humidity Controller

60.9 %

Setpoint

Max
Record
Min

Humid Device
Fuse: 10A / 250V~

Humidifying Device
LED Indicator

Dehumidifying Device
LED Indicator

LED Screen

Day/Night Humidity Setpoint
LED Indicator

Max/Min Humidity Record
LED Indicator

Humidity Device LED Indicator

Power Supply Cord

Up   Down   Home

Humidity
sensor

Power Output for
Humidity Device

Humidity
Sensor

FEATURES

- LED Display, Easy Operation
- Built-In Photocell Detecting Day/Night Status
- Alternative Humidifyingor Dehumidifying Function
- Humidity Sensor with 16ft 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).

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 willdisplay current measured humidity level.
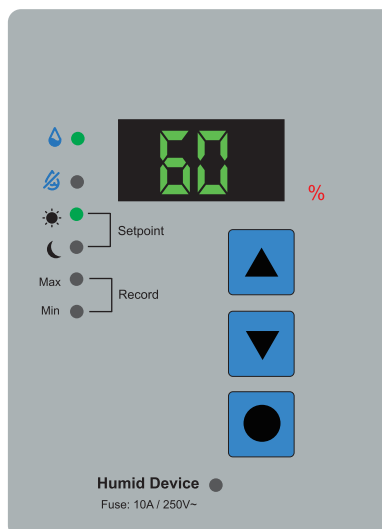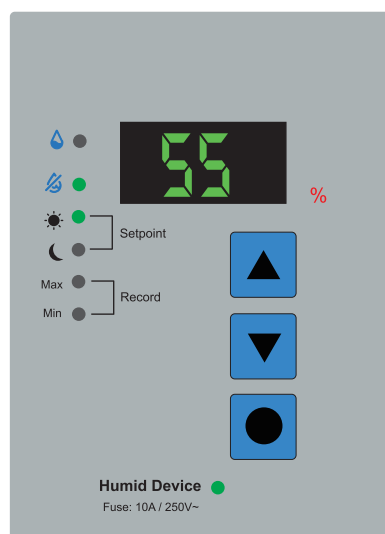
2. Set Humidifying or Dehumidifying Mode

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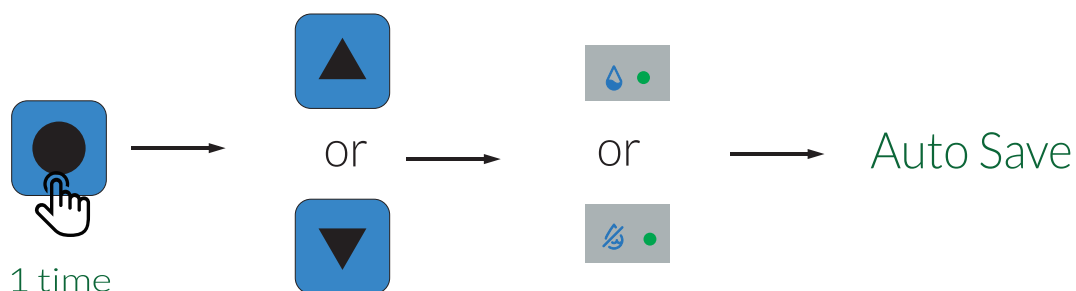
When the connected device is for humidifying purpose (such ashumidifier), please select the Humidifying mode. When the connected device is for dehumidifying purpose (such as dehumidifier), please select the Humidifying mode.
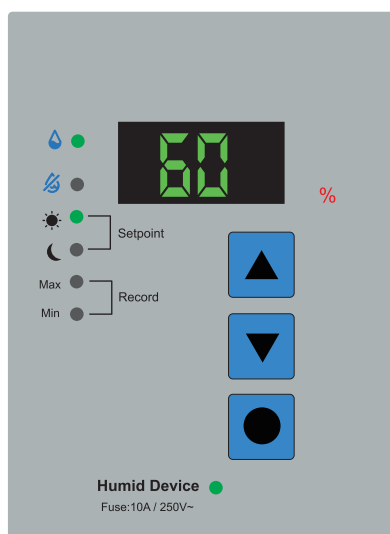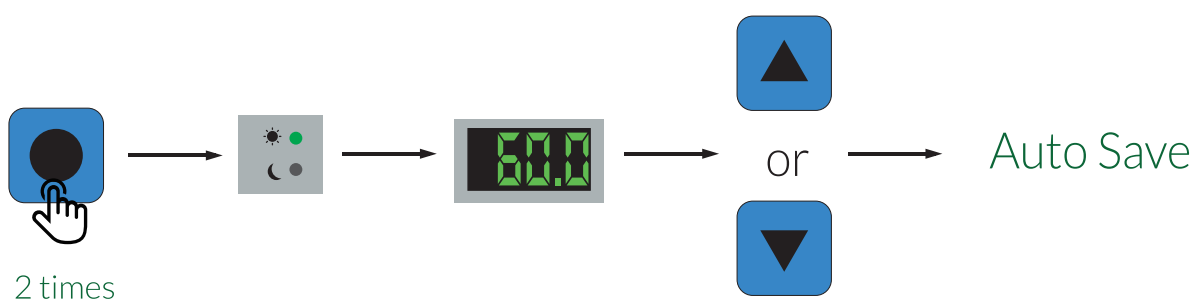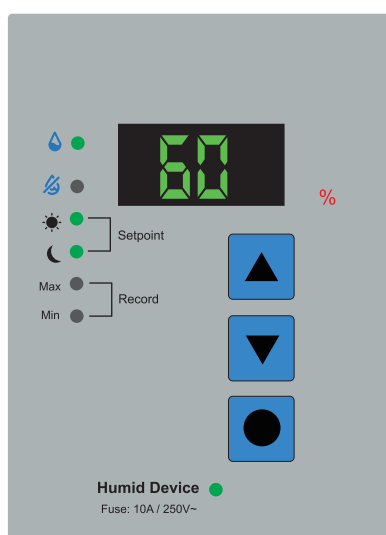
Humidifying Mode

Dehumidifying Mode

or

or

Auto Save

1 time

3. Set DaySetpoint

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.

2 times   or   Auto Save

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.
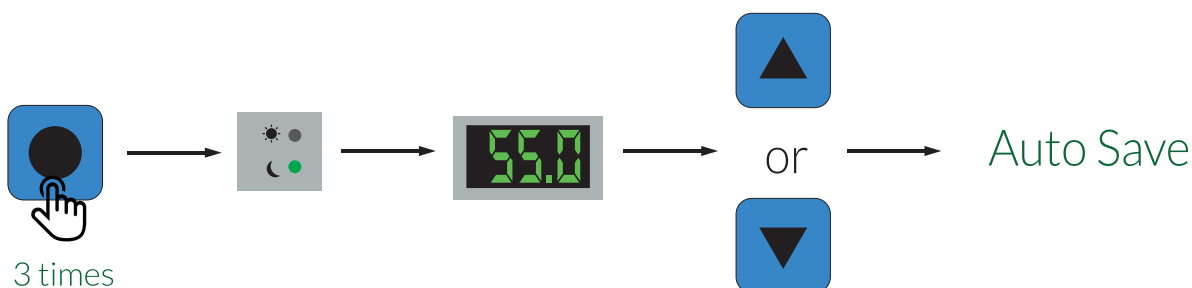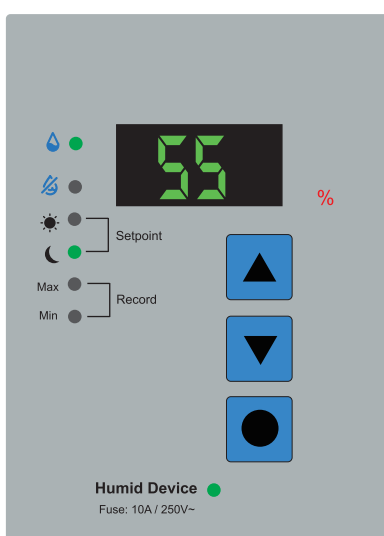
5. Max/Min Recorded Value

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 humidityvalue. While the value is flashing, long press **HOME** button and the Max or Min recorded value will be deleted.

Max Measured Record

Min Measured Record
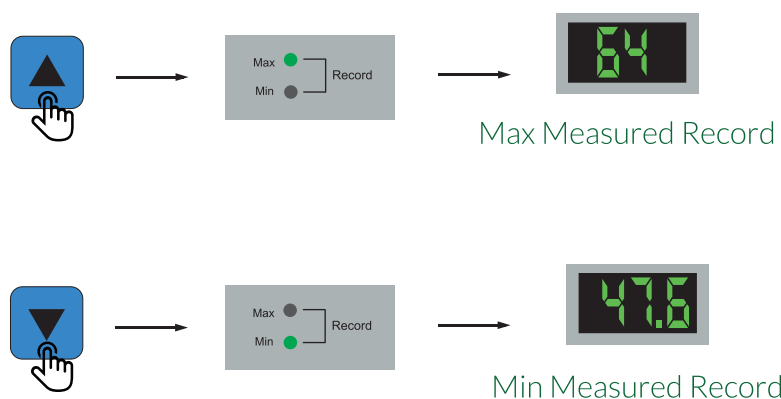
6. Restore the Factory Settings

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 senconds.

Press & Hold   Power On

3 Sec.
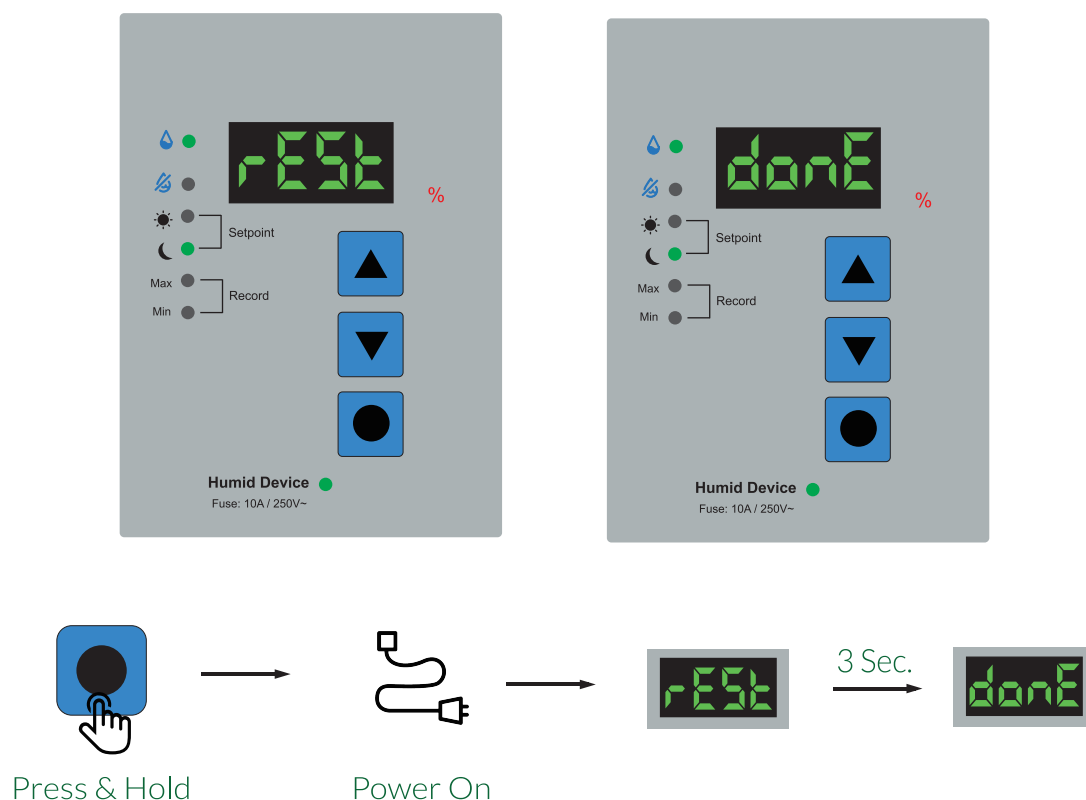
FACTORY DEFAULT SETTINGS

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:	275mm(L) x 87mm(W) x 94mm(H)
Gross Weight:	0.74kg

For any issues or concerns with our products, DO NOT return them to the store. Please contact our tech support department at support@trolmaster.com or call 877-420-9876.

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