

NeptuneHydroponics®
NeptuneHydroponics Monzon Ultrasonic Mist Maker Digital Controller



NeptuneHydroponics Monzon Ultrasonic Mist Maker Digital Controller Instruction Manual

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NeptuneHydroponics®

NeptuneHydroponics Monzon Ultrasonic Mist Maker Digital Controller



Specifications

Feature	Description
Display	Digital LED display for humidity levels
Indicators	Run and Power LED indicators
Adjustment	Manual adjustment knob

Application

These specifications apply to the digital humidity controller for the Monzon Ultrasonic Mist Maker by Neptune Hydroponics. This product provides control over the humidification level.

Electrical Characteristics

- Supply voltage: DC {12V~24V}
- Power consumption: 2W max.
- Humidity probe: 0-3V output with 5m cable
- Relative humidity range: 20%~95%RH
- Accuracy: humidity $\pm 5\%$ RH (at 25°C, 60%RH)

Functional Description

When the controller is turned on: all three LED lights turn on for 0.5 seconds, turn off for 0.5 seconds, and flash twice. Once the self-test is completed, it displays the current humidity measurements. By turning the knob, the display automatically switches to threshold mode, showing the current threshold. If no action is taken within 5 seconds, it returns to humidity display mode and saves the current threshold.

Threshold display format for “L60”: “60” indicates the current setting of the dehumidifier threshold, and the threshold can be adjusted with the knob.

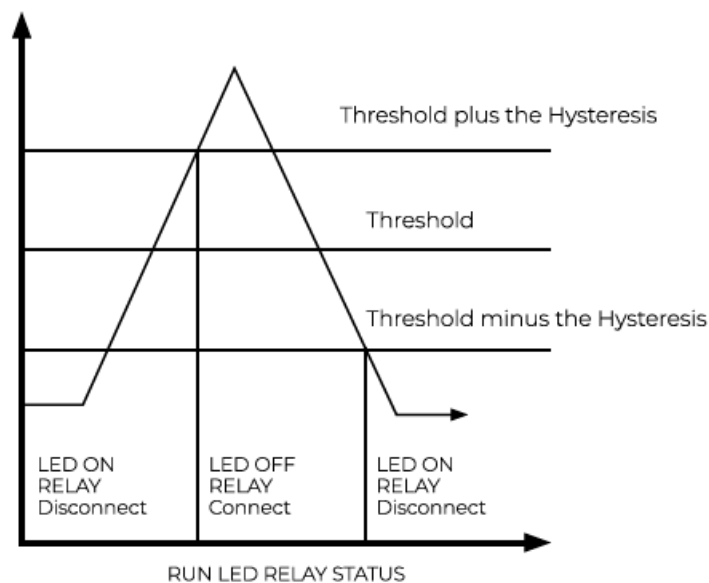
When it is detected that the relative humidity of the current environment is higher than the set threshold, the relay closes and the “RUN” LED turns off.

Threshold Adjustment Method

Turn the knob, the digital display shows the humidity threshold mode. Turn the knob to adjust to the desired threshold, wait 5 seconds after which the threshold is automatically saved and it returns to humidity display mode.

Controller Working State Diagram

When the humidity is higher than the “Threshold plus the hysteresis”, the relay closes and the relay LED “RUN” turns off. When the humidity is lower than the “Threshold minus the hysteresis”, the relay turns off and the relay LED “RUN” turns on. As shown below, (hysteresis equal to 5 when factory set).



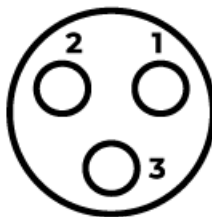
Pin Arrangement of Connector Plug:

1. Pin 1: Positive power supply.
2. Pin 2: DC72V output (when the relay is closed).
3. Pin 3: Negative power supply.

This product includes:

Controller, humidity probe, and connector.

Controller size: 722mm * 62mm * 27mm





FAQ

1. How do I adjust the humidity settings?

Use the adjustment knob on the device to set your desired humidity level.

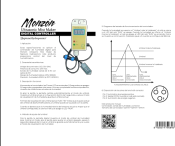
2. What do the indicators mean?

The Run indicator shows the device is actively controlling humidity, while the Power indicator shows it is powered on.

3. Can this device be used in any environment?

The device is designed for standard indoor environments. Ensure it is not exposed to extreme conditions.

Documents / Resources

	NeptuneHydroponics Monzon Ultrasonic Mist Maker Digital Controller [pdf] Instruction Manual Monzon Ultrasonic Mist Maker Digital Controller, Monzon, Ultrasonic Mist Maker Digital Controller, Mist Maker Digital Controller, Maker Digital Controller, Digital Controller
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References

- [User Manual](#)

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