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HC039 User Manual

Hygger CO2 Regulator with Motor Valve

Support

E-mail: co2@hygger-online.com



1. PRODUCT OVERVIEW

Specially designed for planted aquariums and eco-aquatic systems, this precision-engineered regulator integrates safety, accuracy, and ease of use. Effortlessly maintains optimal CO₂ levels in water, providing stable conditions for aquatic plant photosynthesis and ensuring complete safety for fish and shrimp.

Connect the CO₂ regulator to the cylinder securely. Through its two-stage pressure reduction mechanism, the regulator converts high-pressure CO₂ from the cylinder into low-pressure output, with adjustable pressure settings to ensure safer and more stable CO₂ delivery. The left low-pressure gauge displays the output CO₂ pressure, while the right high-pressure gauge shows the pressure inside the cylinder. The needle valve controls the number of bubbles per second in the bubble counter. The timer can be set to activate or deactivate CO₂ release at desired times. Additionally, two or more modules can be used simultaneously to meet varying requirements.

2. PACKING LIST

1x Regulator	2x Bubble counter	1x Adapter
2x Stackable Module	1x Timer	1x Large sealing ring (spare)
1x User manual	1x Hex wrench (3cm)	2x Small sealing ring (spare)



3. INSTALLATIONS

1. Ensure the CO2 cylinder valve is closed. Connect the CO2 regulator to the cylinder and hand-tighten.



2. Unscrew the top cover of the bubble counter, add water to 3/4 of its volume, then tighten the cover securely.



3. Insert the air hose into the bubble counter.

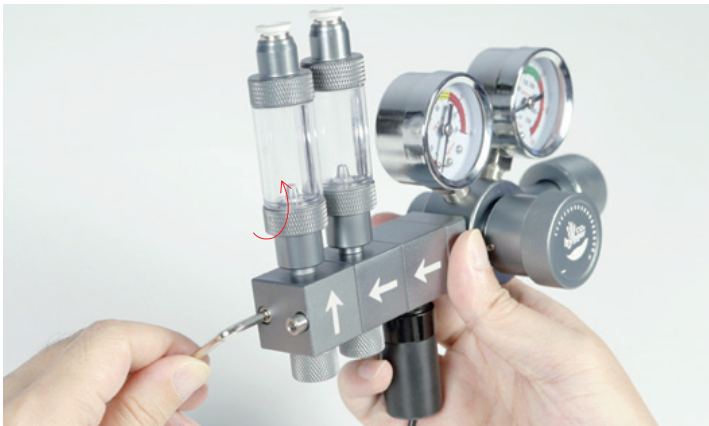


4. Connect the motor valve and adapter's cables to the sockets at both ends of the timer. Then, power on the adapter, adjust the pressure adjustment knob, open the needle valve, and regulate the air output.



Stackable Module Installation Steps (if applicable)

1. First, use the included hex wrench to remove the two screws on the side. The module with the upward arrow is the outermost module.



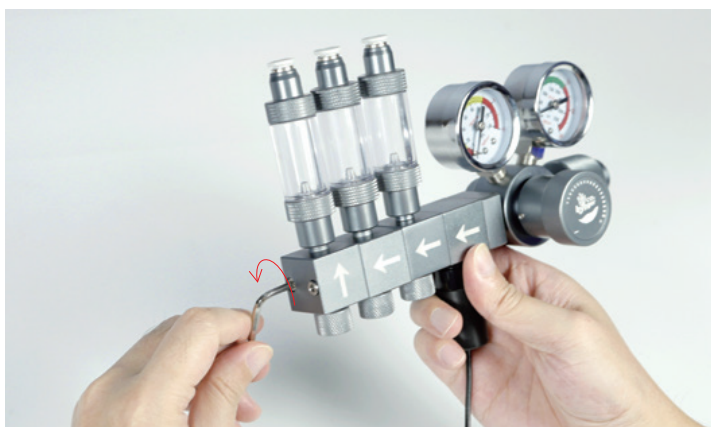
2. Insert the copper pin into the hole.



3. Install the new module and tighten it with screws.

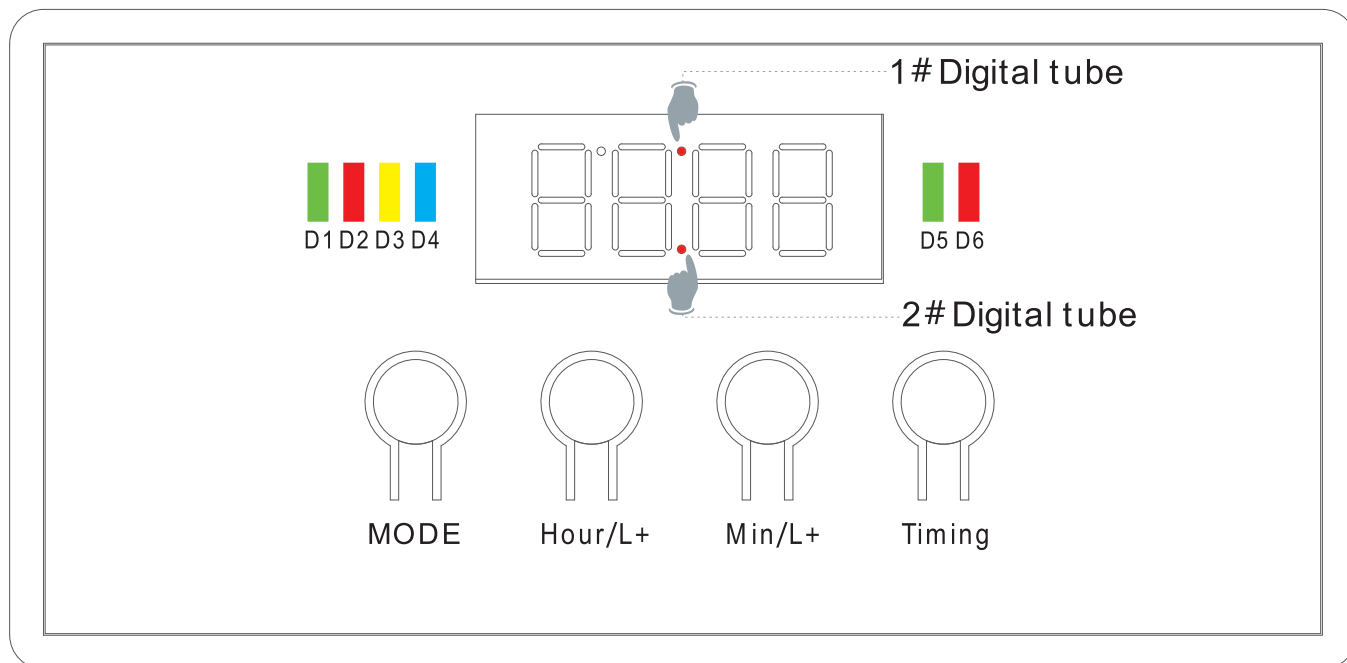


4. Install the module with the upward arrow and tighten it with screws.



4. Motor Valve Operation Instructions

1 Interface Description



Indicator Light Description

Indicator light	Color	Function Description
D1	Green	The valve is currently opening
D2	Red	The valve is closing
D3	Yellow	Manual mode status
D4	Blue	Automatic timing mode status
D5	Green	In the "ON" state of the valve
D6	Red	In the "OFF" state of the valve

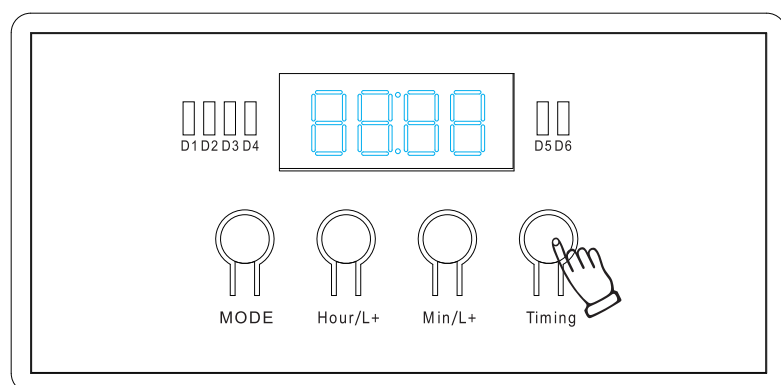
Button Description

Button	Function Description
MODE	Long press to switch between manual mode and automatic mode
Hour/L+	Hour+
Min/L+	Min +
Timing	Switching on/off in manual mode

Digital Tube Description

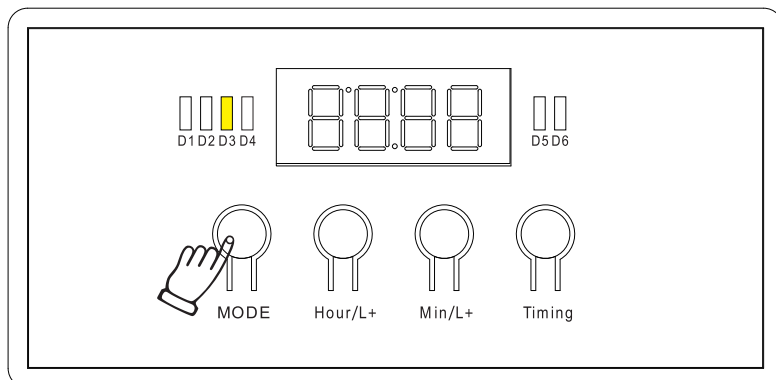
Digital Tube	Function Description
1# Digital Tube	The 1# Digital Tube lights up, indicating the start time is set to activate.
2# Digital Tube	The 2# Digital Tube lights up, indicating the shut-off time is set to activate.

2 Current Time Configuration



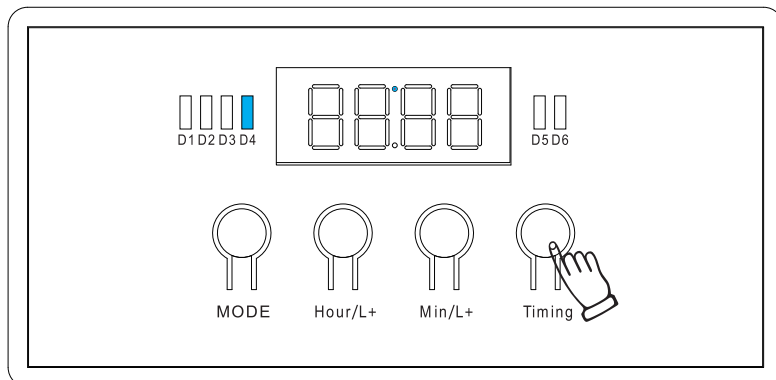
Long press the "TIMING" button. The displayed number blinks. Use the "Hour/L+" and "Min/L+" buttons to set the current time (24-hour system). After completion, press "TIMING" to confirm.

3 Manual Mode Operation

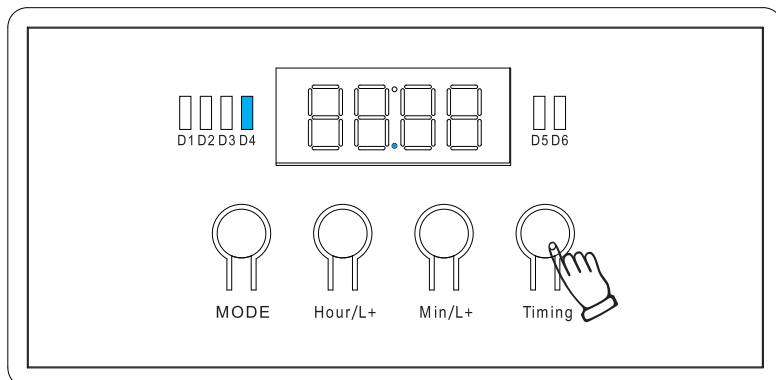


Long press the "MODE" button, the D3 lights up that means the Manual mode. The D4 lights up that means the Automatic mode. Press TIMING button for motorized valve activation/deactivation

4 Automatic Mode Operation



Step 1 : Press the "TIMING" button. The "1# digital tube" lights up. Use "Hour/L+" and "Min/L+" buttons to set the startup time.



Step 2: Press the "TIMING" button. The "2# digital tube" lights up. Use "Hour/L+" and "Min/L+" buttons to set the shutdown time. After completion, press "TIMING" to enter operational status (current time displayed).

5. ATTENTIONS

1. The motor valve may produce sound when opening/closing, which is normal and does not indicate a malfunction. It operates quietly under normal conditions.
2. The motor valve is not waterproof. Avoid water contact to prevent damage.
3. If bubbles are present in the bubble counter but the diffuser produces no bubbles for an extended period, check that the hose ends and all other connections are secure to prevent air leaks.

6. HYGGER LIMITED MANUFACTURER'S WARRANTY

We offer the end user of this product a manufacturer warranty of 3 (2) years from the date of sale if this product was purchased from a Hygger®-authorised specialist dealer.

Retain receipt for any future warranty claim. Conditions apply. Products are guaranteed by Hygger® Aquatic Supplies to the original purchaser against defective material and workmanship under normal use for a period up to 3 (2) years from the date of the original purchase through an Authorized Dealer. Refer to the User Manual included with your product for specific warranty details.

Products have no warranty if:

- 1.) The product has been serviced, modified or tampered with by anyone other than Hygger® Aquatic Supplies.
- 2.) The product has been abused or damaged (including broken or cracked bulbs), and/ or.
- 3.) The product has been transported without proper packaging.
- 4.) The product was purchased from an Unauthorized Reseller.

WARRANTY LIABILITY DISCLAIMER

In no event will Hygger® be liable for any consequential or incidental damages, including but not limited to, lost aquatic life, personal injury, property damage, equipment damage, lost profits, lost wages, lost savings, lost income, etc., arising out of the use of any Hygger® products.

1.0. Terms and Conditions of Warranty.

- 1.1. Hygger® warrants to the purchaser, for 3 (2) years from date of original purchase through an Authorized Hygger® Reseller, free to repair or replace parts where fault is found due to defective materials or faulty workmanship and where goods do not operate in accordance with the instructions.
- 1.2. All claims for repair or replacement must be made at place of purchase.
- 1.3. Only the direct purchaser is entitled to warranty claims against us and these are not transferable without our consent.
- 1.4. The original and dated Proof of Purchase (receipt) must be supplied with all goods claims. Please also provide this Guarantee where possible.
- 1.5. Wear parts (e.g.: seals, suction devices, axes, pump wheels, light sources, pH electrodes, filter media, such as filter cartridges, as well as UVC burners), glass damage and the opening of the product, as well as structural changes or the use of non-Hygger® original parts are excluded from the guarantee.
- 1.6. All goods subject to claim under Guarantee should be prepared for transportation in the original packaging or other comparable packaging which offers the same degree of protection and Hygger® must incur no costs from the shipment.
- 1.7. Where claims on inspection reveal goods are in normal working order, Hygger® will request reimbursement of all reasonable costs incurred.
- 1.8. Warranty claims do not exist in the case of only insignificant deviations from the agreed or customary condition or usability, e.g. insignificant deviations in colour, dimensions and/or quality or performance characteristics of the products.
- 1.9. Our warranty obligation extends only to the delivery of newly manufactured products. Unless otherwise agreed, used products are sold as seen, excluding any warranty.

For more warranty information, please see the Hygger website.

7. CONTACT INFORMATION

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USA Call: +1 (909) 590-2880
Mon-Fri: 9:00 am - 5:30 pm PST Sat-Sun: Closed



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