



CO₂ PPM Controller Plug-in

PPM-B3



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Specification

Max amp : 10 amps @ 120VAC / 60Hz
 Sensor cord length : 15 ft / 4.5m
 CO₂ Range: 400–2000 PPM
 CO₂ Accuracy: +/- 100 PPM
 Weight: 1.1lbs / 0.5kg
 Dimensions: 5" x 2.75" x 3"
 Indoor use only;
 Altitude up to 2000 m;
 Operating temperature: 5°C to 40°C
 Maximum relative humidity: 80%
 Pollution Degree: 2
 IP degree: IP 20

Factory Settings

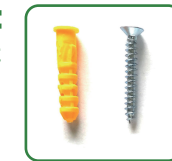
CO₂ PPM Setting: 1000 PPM
 CO₂ Dead-band: 100 PPM
 Calibrate CO₂ PPM: 400 PPM
 CO₂ Mode: PPM UP

Overview

The PPM-B3 is a plug in CO₂ Controller, has an adjustable CO₂ set point, high quality CO₂ sensor and equipped with a photocell that detects day/night conditions and will automatically disable the load output of the CO₂ controller during nighttime conditions. This controller has the CO₂ PPM increase function in two mode, PPM UP mode to control CO₂ generator, and Fuzzy Logic mode to control compressed CO₂.

www.babala-hydroponics.com

Accessory :
Installation kit



Power Input
120V



CO₂ Sensor

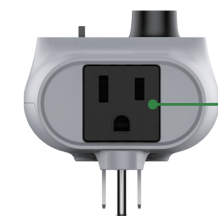


Sensor cord
socket



Top view

Power output
120V



Bottom view

Instructions

Calibration 3'

1. Place the CO₂ sensor outdoor, where assume the CO₂ PPM level is 400.
2. Press the knob for 3 seconds, the LED of Calibration will be lit, display screen reads CAL/400, if you need change the calibration PPM level, turn the knob to set and click to confirm the change.
3. Allow it 10 minutes to stabilize the PPM reading. The screen will return to display current PPM level once it completes.

★ Keep the sensor from direct sunlight and any breathing during calibration.

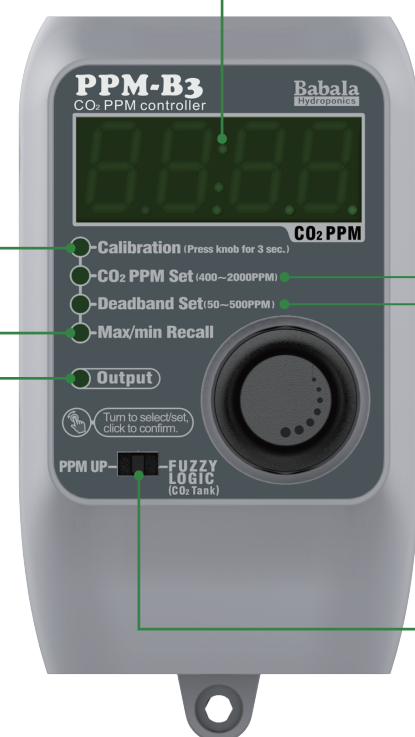
Min/Max recall

Click the knob and select the "Max/min Recall" (led lit), press the knob, display reads L XXX, H XXX. The screen will return to normal display after 5 seconds, and the record will be reset.

Output:

LED lit when the CO₂ device be active.

Display screen



How to set up CO₂ PPM target:

1. Click the knob and turn to select the "CO₂ PPM Set" (LED lit), press the knob to enter into setting page, turn the knob to change the PPM target level.
 2. Continue to press the knob into deadband setting, turn the knob to change and click the knob to save the setting.
- Example:
 PPM UP (using CO₂ generator)
 If setpoint=1000 PPM, Deadband=100, the CO₂ generator will turn on at or below 1000 and turn off at 1100 PPM.

CO₂ Mode

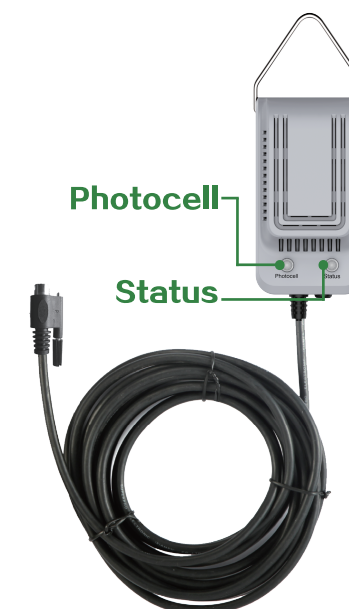
- PPM UP: Increase the CO₂ PPM with CO₂ generator.
- Fuzzy Logic: Increase the CO₂ PPM with compressed CO₂.

★ Important:
DO NOT operate in Fuzzy Logic if using CO₂ generator.

CO₂ PPM Controller Plug-in

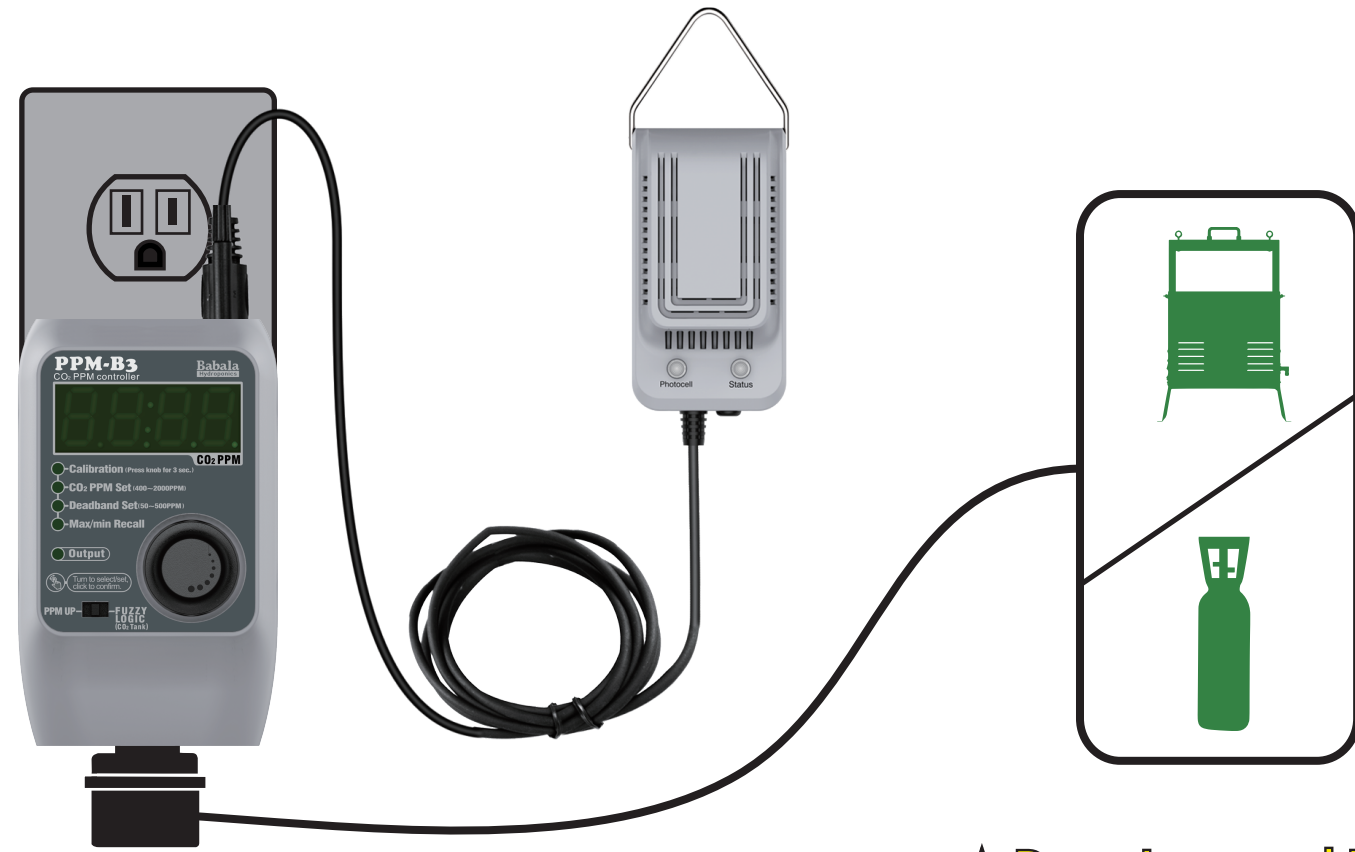
PPM-B3

Remote CO₂ sensor



! Sulfur vaporizer warning!

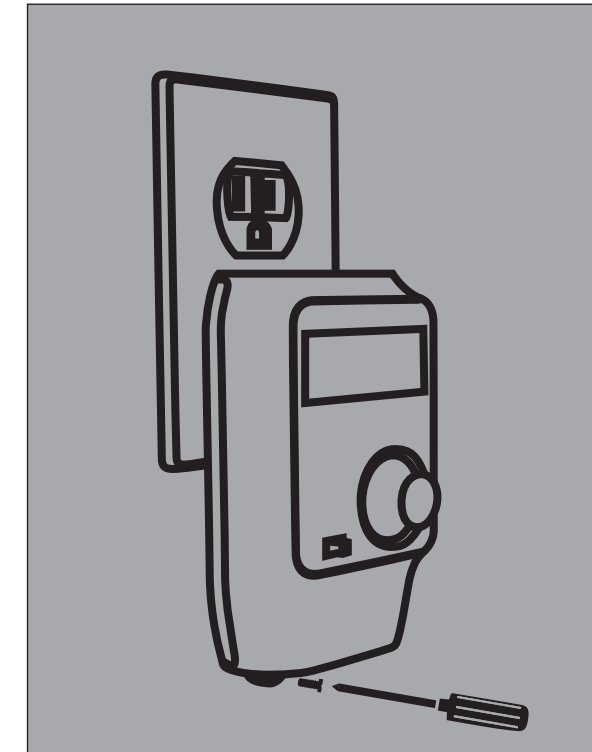
If a sulfur vaporizer is used, first remove the remote sensor from the affected area or turn the controller OFF and cover the remote sensor probe with a protective plastic bag. Remove the bag before turning the power back ON.
 Note: Failure to protect the sensor during Sulfur use will result in damage to the infrared CO₂ sensor and void warranty.



★ Do not exceed the maximum rating!
★ Do not attempt to repair the unit,
otherwise the dangerous will be caused.

Installation mode

Plug the unit into a standard wall outlet, the mounting tab at the bottom of the unit can be secured to a wall.



IMPORTANT MESSAGE

1. Save these instructions. These safety and operating instructions must be kept in a safe place for future reference.
2. Heed all warnings. All warnings on this product and in the instructions must be observed closely.
3. Follow all instructions. All operating instructions must be followed.
4. If the instructions as provided by the manufacturer are not followed damage to the product may result.
5. Install your controller at least 8 ft away from any devices that produce large amounts of electronic noise, such as electronic ballasts or ozone generators.
6. The receptacle beside it may have an output voltage, which can be dangerous. The output voltages are the same as the input voltage voltage. This receptacle can only be inserted with standard Nema 1-15P and Nema 5-15P plugs. Don't insert any other plug in it.
7. Do not use this Controller near water. For example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like. The controller shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be place on this product. The product is not water-proof, or shock-proof.
8. Any factory serviceable pare parts of the product only can be checked or replaced by the manufacturer or authorize agencies.
9. If the power cable insulation is broken, please stop using the product. Immediately unplug the unit and contact the retailer you purchased it from.
10. Do not install the enclosure near any heat source.
11. Do not block any ventilation openings.
12. This product is a Safety Class I Controller. The main plug should be inserted in a power socket outlet only if provided with a protective earth contact. Any interruption of the protective conductor inside or outside of the product is likely to make the product dangerous and is prohibited.

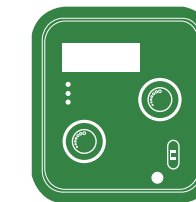


MESSAGE IMPORTANT

1. Conservez ces instructions. Ces consignes de sécurité et d'exploitation doivent être conservées dans un endroit sûr pour référence future.
2. Respectez tous les avertissements. Tous les avertissements sur ce produit et dans les instructions doivent être observés de près.
3. Suivez toutes les instructions. Toutes les instructions doivent être suivies.
4. Si les instructions fournies par le fabricant ne sont pas suivies d'endommager le produit peut entraîner.
5. Installez votre contrôleur au moins 8 pieds loin de tous les appareils qui produisent de grandes quantités de bruits électroniques, tels que les ballasts électroniques ou des générateurs d'ozone.
6. Le récipient à côté il peut avoir une tension de sortie, qui peut être dangereux. Les tensions de sortie sont les mêmes que la tension de tension d'entrée. Ne peut être inséré à la norme NEMA 1-15P et NEMA 5-15P bouchons. Ne pas insérer d'autres plug en elle.
7. Ne pas utiliser ce contrôleur près de l'eau. Par exemple, près d'une baignoire, baignoire lavabo, évier de cuisine ou la lessive, dans une cave humide, ou près d'une piscine, etc. Le contrôleur ne doit pas être exposé à des éclaboussures et aucun objet rempli de liquides, tels que des vases, doit être place sur ce produit. Le produit n'est pas é tanche à l'eau, ou antichoc.
8. Toutes les pièces d'usine Par é réparable du produit ne peut être vérifiée ou remplacée par le fabricant ou autoriser les agences.
9. Si l'isolation du câble d'alimentation est cassée, s'il vous plaît arr êtez d'utiliser le produit. Débranchez immédiatement l'appareil et contactez le revendeur vous l'avez acheté.
10. Ne pas installer l'enceinte à proximité de toute source de chaleur.
11. Ne pas bloquer les ouvertures de ventilation.
12. Ce produit est une classe de sécurité I contrôleur. La fiche principale doit être insérée dans une prise électrique que s'ils sont fournis avec un contact de terre de protection. Toute interruption du conducteur de protection à l'intérieur ou à l'extérieur du produit est susceptible de rendre le produit dangereux et est interdit.

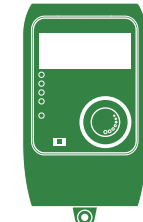
Environmental controller

• Single function



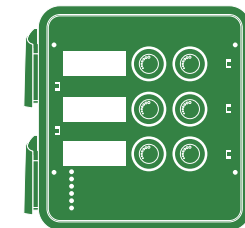
- PPM-B1 (CO₂ PPM controller)
- LIGHT-B1 (Lighting controller)
- TIMER-B1 (Timing controller)
- TEMP-B1 (Temperature controller)

• Plug-in



- PPM-B3 (CO₂ PPM controller)
- TIMER-B3 (Timing controller)
- TEMP-B3 (Temperature controller)
- HUM-B3 (Humidity controller)
- LIGHT-B3 (Lighting controller)

• Multi-function



- BECC-B2 (CO₂, humidity, temp, all in one)
- BETC-B2 (Temperature, humidity and CO₂ timer all in one)
- BTLC-B2 (Lighting controller and recycle timer)

• CO₂ Generator



- BBL-LP-4
- BBL-LP-8
- BBL-LP-10
- BBL-NG-4
- BBL-NG-8
- BBL-NG-10



Made in China