

# *D H D User Guide*

B.V.L. Controls Ltd  
[www.bvlcontrols.com](http://www.bvlcontrols.com)

DHD Instructions  
Booklet

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# ***D H D User Guide***

## ***SUMMARY***

### ***Features***

#### ***Description of material***

#### ***How to...***

- ⇒ Add a flow
- ⇒ Reset the counters/Power failure
- ⇒ Calibrate
- ⇒ View the readings
- ⇒ Select ounce or portion
- ⇒ Jumper settings

#### ***Technical support***

- ⇒ Troubleshooting
- ⇒ Contact us

## ***FEATURES***

The DHD is a flow control which can accept up to 16 flow meters, one portion per flow meter. The DHD/16 also has an output (RS-232) for a printer. All DHD have a power failure detector so you know if you missed some count (or if someone pulled the plug). It also features multiple shot calibrations. It can be used to count every ounces or every portion calibrated.

## ***DESCRIPTION OF MATERIAL***

You should have received the following material:

- ⇒ One control box
- ⇒ One to sixteen flow meters
- ⇒ One set of two keys
- ⇒ One AC adaptor
- ⇒ One instruction booklet

## ***HOW TO ...***

### ***Add a flow***

- ⇒ First, solder the flow meters to the back of the control box. Solder the red with the red, the white with the white, the green with the green on the preferred wire you've choose. Be sure that none of the wires touch another one and insulate each connection.
- ⇒ Finally plug the AC adaptor into the outlet.

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## ***Reset the counters/Power failure***

- ⇒ Place the Key switch to the *Prog.* Position
- ⇒ If there was a power failure, the first time you will push the *D* (display) button will erase the power failure. If you push it again, it will reset the counters to zero. So if there was no power failure, the first time you will push the button will clear the counters to zero
- ⇒ Place the key back to *display* position

## ***Calibration mode***

- ⇒ Place the key switch to the *Prog.* Position
- ⇒ Just pour the selected faucet until the quantity needed is obtained. Even if you have to pour in multiple shot.
- ⇒ Repeat this step for all faucets connected to the DHD.
- ⇒ When you're finished, just place the key back to *Display* Position.
- ⇒ Note: You have to pour one glass after calibration if you want to see the change on the display. To see if it counts well, just select the brand you want to test and pour a glass. You should see the counter incrementing.

## ***View the readings***

- ⇒ Place the key to *Display* Position.
- ⇒ Push the *D* button to cycle through all the brand

## ***Ounce or portion mode***

- ⇒ To set the counter in portion mode, unplug the AC adaptor; remove the cover from the box. Inside you will find a jumper labelled PC2, remove it and store it in a safe place. Replace the cover on the box, plug the AC adaptor and now the counter will count every ounce. Invert the procedure to put it back to ounce mode.

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## *Technical Support*

### *Troubleshooting*

I don't see the counter changes when I finish the portion?

- ⇒ Check if the flow meter is properly wired and if you calibrated the missing counter.
- ⇒ Check if you are looking at the good brand.

I can't see the counts when I push the D button?

- ⇒ Check if you can "feel" the button, it maybe broken
- ⇒ Check if you calibrated the flow properly.
- ⇒ Check if you are in display mode.

The display intensity has changed?

- ⇒ When you open the control box, turn the potentiometer (the white screw inside the blue square socket) to adjust the intensity.

### *Contact us*

If you have any problem or need information, don't hesitate to call us.

- ⇒ E-Mail: [salesrep@bvlcontrols.com](mailto:salesrep@bvlcontrols.com)
- ⇒ Website : [www.bvlcontrols.com](http://www.bvlcontrols.com)