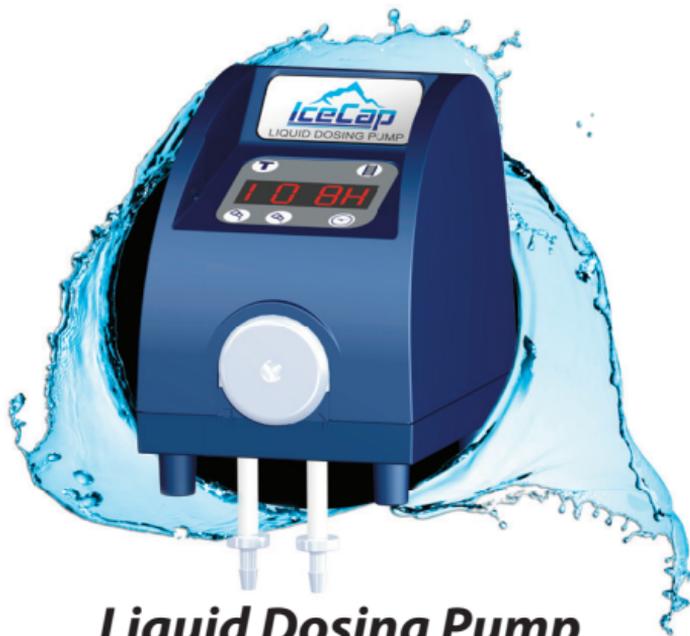


Quick Start Guide



Liquid Dosing Pump

Register your new product today at
www.coralvue.com/register

***Congratulations on your purchase
of an IceCap Liquid Dosing Pump!***

Please read this entire Quick Start Guide before
operating your new liquid doser.



CONTENTS

Dosing pump unit



Measuring beaker
(ID 2.6mm x OD 4.9mm)



Rubber hose - 9ft
(ID 2.6mm x OD 4.9mm)



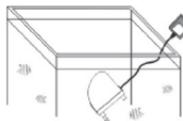
IC-LQD-DSR- PS model
Switching DC power supply
Prevent the power line from being
concaved or scraped especially
near the end of the wire.



IC-LQD-DSR- PL model
Power Link
Capable of linking up to 4 units to
one power supply.

USER GUIDE CONTENTS

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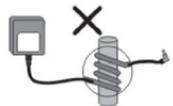


CAUTION

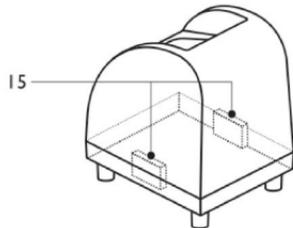
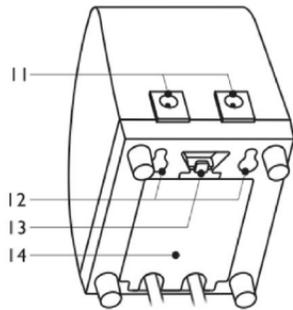
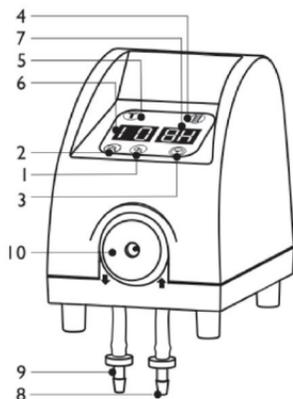
Avoid direct contact with water
The doser is not submersible and
should never touch water.



Prevent bending of power supply
Avoid the power line from being
concaved or scraped especially
near the end of the wire.

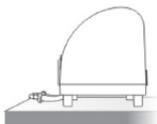


Don't tie or wrap power supply
to any other articles.



IC-LQD-DSR Part Names

1. Liquid volume setting “unit” button
2. Liquid volume setting “decimal” button
3. Time-setting button - dispersal intervals
4. Prime button draws liquid and purges air from the line.
5. Test button micro-adjusting dosage
6. Liquid volume display
7. Time setting display
8. Liquid entrance connector
9. Liquid exit connector
10. Dosing pump
11. DC 12V jack socket x 2
12. Wall mounting hole x 2
13. Service door latch
14. Dosing pump cover
15. Series Alignment Magnet x 2



INSTALLATION

Place on solid flat surface



Wall/Suspension Mount

Screw two screws 1-3/8in apart and hang the doser by the surface mount holes located at the bottom of the doser.

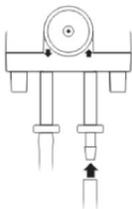
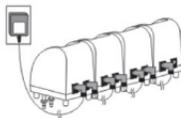


Avoid rubber hose being bent

concave up, preventing the disbursement of liquid.

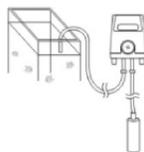


Use the magnetic attraction on either side of the main body to align up to four units.



Put the rubber hose onto connector. Be aware the right is input (suction side) and the left is out (effluent).

OPERATION



ATTACH THE INLET & OUTLET LINES by inserting the supplied connectors into the hose. Insert "right" side hose into vessel filled with the desired liquid and place the "left" side hose above the water surface in the aquarium or sump. **Do not exceed 5ft hose from the in or out.** 10ft max run.



PROVIDE POWER

Insert the power adapter into one of two DC 12v jacks located in rear of the doser. Take the power adapters plug and insert it into your AC wall outlet. You can link up to 4 dosers to a single power supply.

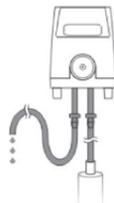


Numerical value 10-8H is representative of the previous memory value set by the microcomputer and it means that after every 8 hours, it would automatically dose 10ml of liquid.



PRIME THE DOSER

Procedure required to remove air from within the hose and draw the liquid through the doser. Press and hold the Prime Button until liquid displaces air.



Attention: After exchanging/refilling dosing vessel with a liquid supplement, you must press and hold the Prime Button until liquid displaces air.

PROGRAMING



Set the Time

To set the dosing time press the ⌚ “time setting” button which the display will cyclically indicate 1H⇒2H⇒3H⇒4H⇒6H⇒8H⇒Hd(12h) ⇒1d⇒2d⇒3d⇒4d⇒5d⇒6d⇒7d⇒8d⇒9d at each touch. Example: display shows 8H which indicates that the unit will dispense X amount of liquid every 8 hours after the beginning action of the ⌚ “time setting” button was pressed. The dosing pump then would automatically dose every 8 hours.



Set Dosage Amount

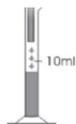
To set the dosage press the liquid volume setting button (unit) and (decimal) button (decimal) setting range 1~99ml.



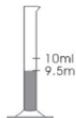
Press and hold the ⌚ (Time Setting Display) for 4 seconds.



The display will indicate 58-10, left 58 (can be adjusted) was the running time of dosing pump, right 10 is the testing value of the dosage.



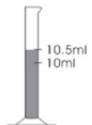
After 2 seconds it will begin to dosing 10ml or liquid in testing beaker.



If dosage **is lower than 10ml**
- example 9.5ml



Press the liquid volume setting button (unit) to increase the running time from 58⇒59⇒60⇒61..., repeatedly test until the doser is calibrated to 10ml



If dosage **is higher than 10ml**
- example 10.5



Press the liquid volume setting button (unit) to decrease the running time from 58⇒57⇒56⇒55...repeatedly test until down to 10ml dosage.



To finalize the calibration setting press and hold the ⌚ (test button) for 4 seconds to return to normal function.



Display will indicate the original value of the setting 10-8H

DELAY MODE OPERATION

The Delay Modes function is to prevent the dispersment of multiple liquids at the same time after disruption of power to the unit (5~55min) when 2~4 dosers are linked together. Capable of pre-programming the setting to allow the doser to delay between 5~55min.



Press and hold the time setting button  for 4 seconds.

The display will show 00dE, dE indicates that you are entering delay mode, 00 indicates the delayed dosing time.
- automatically set to a delay of 0 min.



Press "liquid volume 2 button"  to increase the delay time from 0⇒5⇒10⇒15⇒55... at 5min intervals.



Press "liquid volume 1 button"  to decrease the delay time from 55⇒...15⇒10⇒5⇒0 at 5min intervals.



To finalize the delay mode setting, press and hold the time setting button  for 4 seconds and the unit will return to its normal operation with the delayed function set.



Display will indicate the value of setting of 10-Hd

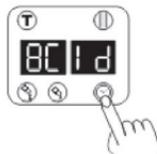
QUICK TEST



To begin quick test, press and hold "time setting" button  for 8 seconds.



Then the display will show 8C-1D indicating that after every 24 seconds (shorten from 1D=24hours into 24 seconds) would automatically dose 8cc(ml) dosage. If you have collected 8cc(ml), this machine is functioning normally.



After testing, press and hold the "time setting" button  again for 8 seconds and you will return the doser back to its normal function.



Display will indicate the value of the setting 10-Hd

MAINTENANCE

The rubber hose and motor are consumable parts that should be replaced regularly.

Hose: Replace rubber hose after a running time of around 600hours or 50,000 dosing times (which ever comes first).

Motor: Replace the motor around every 800 hours run time.

Replacement parts can be found at coralvue.com

Note: If the rubber hose and motor are damaged, consider replacing the entire dosing pump.

TECHNICAL SPECS

IC-DSR-PS

Switching power supply

Input: see label

Output: DC12v 1000mA

Full Power Consumption: 2.2w while running

Dosing time: 24 times/day~1 time/9 days

Dosage: 1ml~99ml

Dosage Accuracy: <+/-3%

Measurement (WxHxD): 2.7x3.8x3.5in

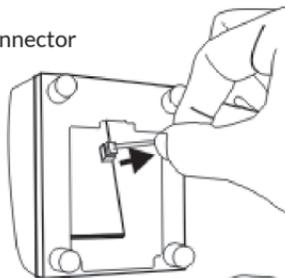
Weight (package): 445g

How to Replace Pump

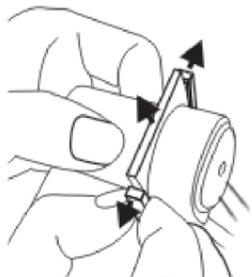
Remove the dosing pump cover by releasing the latch.



Pull up the connector



Push left and right mounting channels outward and slide the dosing pump out. Install the new dosing pump in reverse order.



WARRANTY / PRODUCT SUPPORT

We warrant this product against any defect in material and workmanship, under normal use. In the event a product is found to be defective within the warranty period of one year, we will, at our discretion, repair or replace the defective product. The warranty period starts the day of purchase. For warranty validation, a proof of purchase must be furnished. Warranty is limited to this appliance only. CoralVue is not responsible for consequential loss or damage due to misuse of this unit.

The followings are excluded from the warranty:

1. Improper use of the device causing malfunction
2. If device is repaired or modified by an unauthorized person
3. Use of non-produced material by IceCap i.e. pump tube
4. Damage by disaster
5. Improper maintenance causing damage
6. Use of reagent or sample causing corrosion
7. Damage by accident or over load
8. Consumables, such as silicone tube and fuse etc.

To obtain warranty support, please visit

<http://www.coralvue.com/support>



Our online technical support team will attempt to diagnose and correct the problem. If the problem cannot be rectified, our technical support will ask you to return the product for service. You will be asked to furnish proof of purchase to confirm that the product is still under warranty.