



...bringing innovative ideas to life

# EDS2001

## Economy Analog Dispenser Manual



# **SPECIFICATIONS**

## Timer

0.01 to 30.00

## Size

(L) 4.5"

(H) 6.25"

(D) 7.75"

## Weight

Shot Meter: 2.4 lbs

Footswitch 6 oz

Power Supply 10 oz

## Voltage Input

24VDC 1A

## Air Input

35 -100 psi (2.5 - 7 bar)

Air Output1 -100 psi (0.1 - 7 bar)

# **GENERAL OPERATION.....**

## **Initial Set Up**

1.) Plug the power supply included with the dispenser into an electrical outlet (either 110 or 220V), and connect the other end into the back of the dispenser labeled "24VDC IN".

2) Connect the included 1/8" male NPT air quick connect fitting into the back of the dispenser labeled AIR IN 120 PSI MAX. Connect your regulated and filtered air to this quick connect fitting.

**Caution!** Regulate your air pressure to 120 psi or less before connecting air to the dispenser. It is recommended that you use dry filtered air, to ensure there is no moisture or dirt that could potentially damage the circuitry of the dispenser.

15958 Arminta Street ▪ Van Nuys ▪ CA 91406  
Phone 818-989-2324 ▪ Fax 818-997-0895



...bringing innovative ideas to life

- 3) **Connect** the foot pedal cord to the back of the dispenser and place the foot pedal on the floor in a comfortable position.
  
- 4) Turn the ON/OFF switch labeled "POWER" to the upward position (i.e.: I position). The green POWER LED light will display on the front of the dispenser.
- 5) Connect a syringe adapter to the bottom right white fitting on the front of the unit.
  
- 6) Adjust the air pressure by turning the regulator knob until the desired air pressure is displayed on the gauge. Once you have the desired psi, you can push the regulator knob in to lock it.
  
- 7) Adjust the vacuum knob at the bottom left of the dispenser, counterclockwise, to turn the vacuum on. You will hear a hissing noise and this will pull back material into the needle and syringe, reducing stringing or dripping. Only use if necessary (see troubleshooting for more info).

## MANUAL OPERATION.....

Manual operation allows you to dispense based on how long you depress the foot pedal and visually determine how much material you require to be dispensed.

To manually dispense, position the mode switch down (to manual), and depress your footswitch to dispense. Release the footswitch when you have dispensed the proper amount of material.

## TIMED OPERATION.....

Timed mode allows you to dispense a specific amount of material based on how long the timer is set to dispense. Simply set the mode switch up to TIMED MODE. Adjust the timer knob on the upper left hand side of the

EDS2001 to the appropriate time (please note this is done by "trial" as this is an incremental adjustment).

You can adjust the dipswitch on the inside of the controller, if necessary, to dispense at .01 up to 30 seconds. The default setting for the timer is set for .01 to 10 seconds.

Carefully remove the outer casing to access. The dipswitch is a small red box on the circuit board of the controller. There are four switches in an on or off setting. The arrangement of the switches controls the timer setting. The direction of the arrow indicates the ON position.

**PLEASE NOTE:** Before touching the dipswitch ground yourself to avoid damaging the circuitry.

0.01 - 10 seconds (default): ON: 1 and 2 OFF: 3 and 4

0.01 - 1 seconds: ON: 1 only; OFF: 2, 3 and 4

0.1 - 20 seconds: ON: 1, 2 and 3; OFF: 4 only

0.1 - 30 seconds: ON: 1, 2, 3 and 4

## TROUBLESHOOTING.....

### **1) Dispenser does not turn on**

Check the power connector on the back and make sure it is pushed in completely.

### **2) I hear air leaking**

The vacuum may be on. Turn the vacuum knob on the front of the unit clockwise until the hissing stops. Also check your air connector fitting in the back of the unit for a tight fit. Use Teflon™ tape if necessary.

### **3) Everything is on and seems to be working, but no material dispenses out of the syringe**

Check the white adapter fitting that connects to the front /right of the dispenser, ensuring it is pushed in all the way. Also check to see that you have air pressure and the gauge is reading above 0 psi.

### **4) I can't turn the air pressure up or down**

The regulator knob (large black knob on front of dispenser) is locked. Simply pull out towards you to unlock it. It will turn easily after this is done.

For more information visit: [www.edsyn.com](http://www.edsyn.com)

15958 Arminta Street ▪ Van Nuys ▪ CA 91406  
Phone 818-989-2324 ▪ Fax 818-997-0895