

CUSTOMER SERVICE

Should you need repair, parts may be sent to:

Laurel Metal Products
3500 W. Touhy Ave.
Lincolnwood, IL 60712

Please include phone number and return address.

LIMITED WARRANTY

Laurel Metal Products warrants that the goods described in this warranty are free from defects in workmanship and materials for the period of one (1) year.

For breach of the express warranty and any implied warranty on this product, you are limited to the following damages:

If within one (1) year from the date of purchase, this product fails due to a defect in materials or workmanship, Laurel Metal will repair or replace it free of charge. In no event shall Laurel Metal be liable for incidental or consequential damages. Laurel Metals' liability for any claims arising out of this warranty shall not exceed the purchase price of the product.

NOTE: some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty does not cover damage resulting from accident or from misuse or alteration of the product.

The term of this warranty begins on the date the product is purchased by you, and continues for a period of one (1) year from that date.

To obtain performance of any obligation under this warranty, you must return the complete product prepaid, together with a description of the problem, approximate date of purchase, your name, address and telephone number, to the address listed above.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

This warranty covers Laurel Metal Products Model 399 electronic vender, Model 399 retrofit, Model 899 3-column electronic vender, and Model 2599 vender.

MODEL 2599 ELECTRONIC VENDER



LAUREL

METAL PRODUCTS INCORPORATED

3500 W. Touhy Ave.
Lincolnwood, IL 60712
Toll Free (888) 528-7358
(847) 674-0064
Fax # (847) 674-0094
www.laurelmetal.com

OPERATION AND SERVICE

ELECTRONIC REQUIREMENTS

24 Volt AC

The power connection for the machine is on the circuit board of the Coin Mechanism. The terminal block for incoming power is located on the lower left corner of the Circuit Board. You will have to lift up the Cover/Instruction sheet to locate this terminal block, which is black in color.

BE CERTAIN TO SUPPLY 24 VOLTS/AC

TRANSFORMER POWER REQUIREMENTS

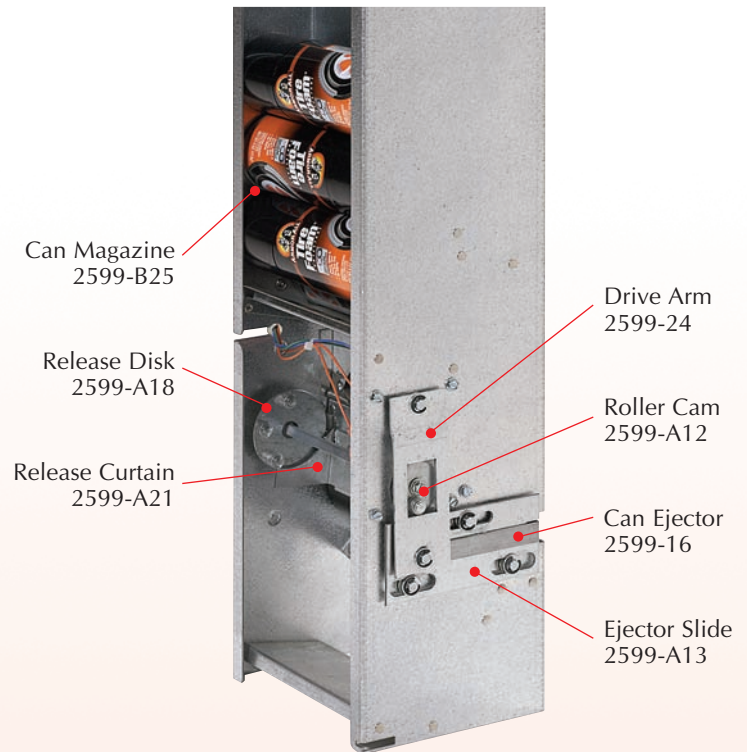
The minimum power required for each vender is 1/2 amp (500mA). To run multiple venders on a transformer first determine the total amperage required, taking into account future additions. To determine the amperage output of a 24 volt transformer that is given in VA, divide the VA output by 24. For example, a 100 VA transformer would provide 4.2 amps ($100 \div 24$) of 24 volts AC power. This would be ample power for 8 venders.

INSTALLATION

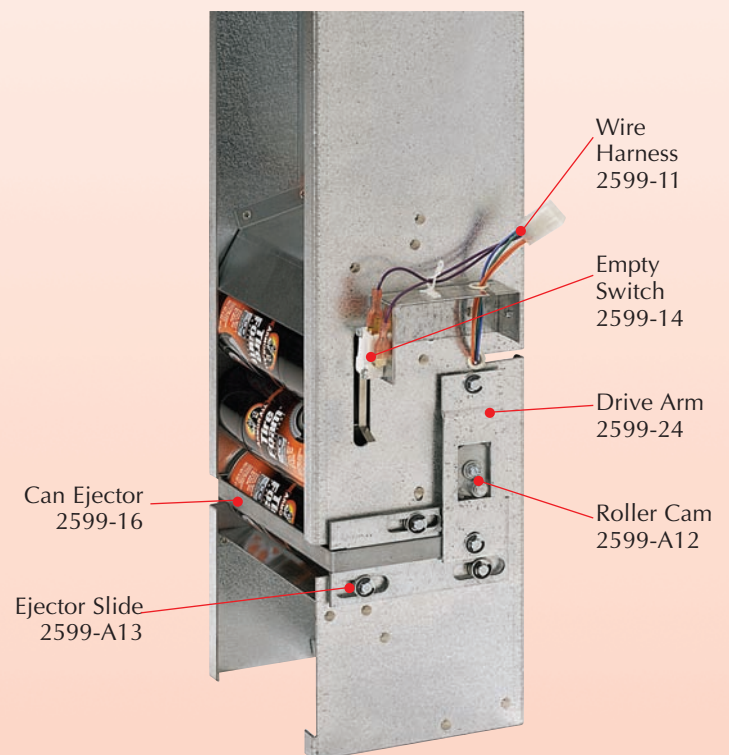
The vender can be mounted on any vertical surface without removing any part of the unit. Any standard fastener not larger than 3/8" diameter such as wood screws, expansion bolts, machine bolts or carriage bolts can be used depending on the type of wall. The vender weighs 45 lbs. empty.

The top two fasteners should be loosely installed in the wall with the heads of the fasteners projecting out approximately 1/4" from the wall. The keyhole shape of the mounting holes will permit you to hang the cabinet on the two fasteners. While in this unsecured position, mark the bottom mounting holes on the wall to accurately align the lower fasteners, if necessary remove the cabinet. Install the bottom fasteners to secure the cabinet.

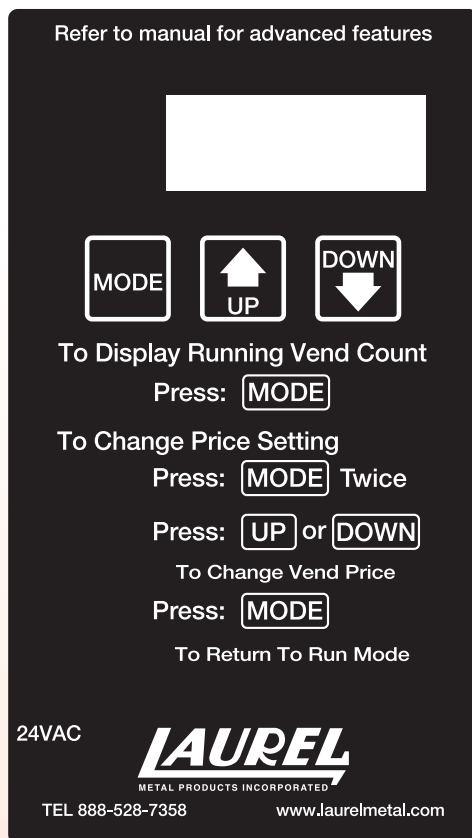
FRONT VIEW OF CAN MAGAZINE



REAR VIEW OF CAN MAGAZINE



COVER/INSTRUCTION SHEET



To access vend count:

Press **[MODE]** : Total cans vended since initial power up.

To access vend pricing:

Press **[MODE][MODE]** : **P2.00** will be displayed.

Press **[UP]** or **[DOWN]** to change price.

Press **[MODE]** to return to run mode.

COIN MECHANISM FEATURES

The vend count is displayed when the **[MODE]** button is pressed once. The number displayed is the total number of products sold since initial installation of this vender. The counter is non-resettable so it can't be tampered with. You can now implement inventory control on your vending products.

The vender will be factory set to vend at \$2.00. To change the vend price, press the **[MODE]** button 2 times, the display will show a 'P' and the current price setting. Now change the price with the **[UP]** or **[DOWN]** buttons and press the **[MODE]** button once more to cycle back to the 'run' mode.

Pricing is adjustable from .25¢ to \$9.75.

COIN ACCEPTORS

SLUGBUSTER – SINGLE COIN



This acceptor sends 1 credit pulse to the LED display for every coin or token entered. The factory setting is \$0.25 for every credit. This can be changed if quarters are not accepted. For instance, if a token with \$0.50 value is only to be accepted, then the base coin credit value (the 'A' value) must be changed to 0.50. To change this value, press and hold the **[MODE]** button until the LED display reads **A .25**. Now use the **[UP]** or **[DOWN]** buttons to change. Press the **[MODE]** button to return to the run mode.

If dollar coins are only to be accepted, then follow the same steps and change the 'A' value to 1.00. **Remember to insert a sample coin into the coil of the Slugbuster.**

MA-800 – MULTI-COIN



This acceptor will take up to 6 different coins, or tokens, and the value of any coin can be programmed in. Quarters are pre-programmed in switch #6 and dollar coins in #5. Refer to the enclosed MA-800 instruction manual for programming instructions if tokens or any other coins are to be accepted.

When programming in any new coins, it is recommended to remove the acceptor from the coin mechanism frame and drop the 6 sample coins in by hand. Optimal programming will be obtained by dropping the coins in the acceptor by hand rather than by running the sample coins down the metal coin chute.

To remove the MA-800 acceptor from the coin mechanism frame, loosen the 2 mounting screws on the front face of the coin mechanism, unplug the white ribbon cable, then lift up the coin mechanism to detach it. Remove the 1 screw holding the MA800 in place and pull it out to begin the programming.

Do not unplug the MA-800 from the circuit board when programming, as it needs power to operate.

MICROCOIN QL – MULTI-COIN



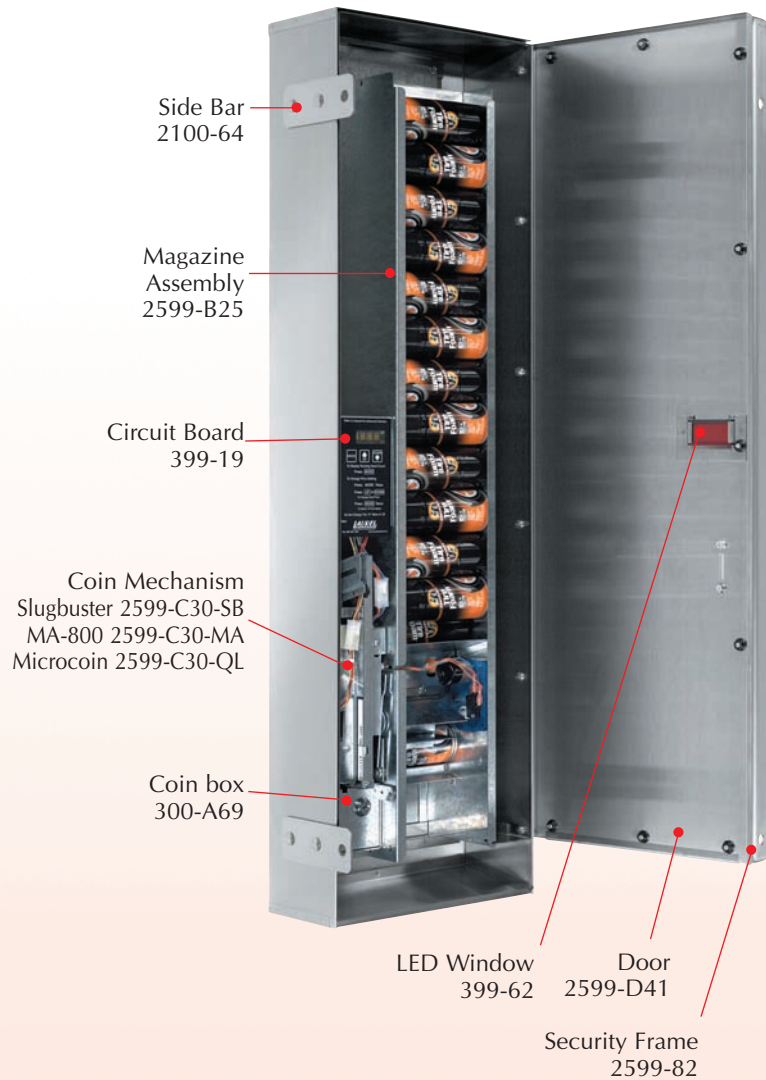
This acceptor will take up to 12 different coins, or tokens, and the value of any coin can be programmed in. Quarters are pre-programmed in switch #10 and dollar coins are in #11. Refer to the enclosed QL instruction manual for programming instructions if tokens or any other coins are to be accepted. ***Do not unplug the QL from the circuit board when programming, as it needs power to operate.***

COIN MECHANISM REMOVAL

To remove the Coin Mechanism from the can column, first unplug the wire harness that is on the right side of the mechanism. Now loosen, but do not remove, the 2 mounting screws and lift the coin mechanism up to remove it.

TROUBLESHOOTING

SYMPTOMS	LOOK FOR	NOTES
LED display out	Power loss Check for 24 volts (+/- 15%) power at the circuit board where power comes in	Check transformer. See page 1 for power requirements.
Power down machine for 5-10 seconds and power back up		
'E_1' displayed	Can stuck, jammed Motor burned out	Check can that is next to drop. Not very likely.
Power down machine for 5-10 seconds and power back up		
Product vended at less than vend price	'A' value changed from '.25' MA800 coin acceptor not programmed correctly	See page 5 for 'A' value setting info. See page 5 or MA800 manual.
Motor runs, no can drop	Cap separated from can	
Inserted coin rejected	Power loss Coin acceptor malfunction 1 can in column	Check transformer. Slugbuster – change sample Quarter. MA800 – see manual, LED should be green on MA800. Display will read 'SOLD OUT'.



LOADING

Load cans from the top of the column, always alternating the cans with cap left, cap right, etc. This ensures that the cans will move freely down the column. Do not drop the cans down the column as the cap may separate from the can partially and cause a jam when dispensing.

The LED display will continually flash **SOLD** & **OUT** when the empty switch activates, even though there will be 1 can remaining. Coins will be returned if the vender is sold out or if there is a power outage.