

J.E. ADAMS INDUSTRIES **OWNERS MANUAL** MODEL 29050

o PAGE 2

SPECIFICATIONS

o PAGE 2 - 3 IMPORTANT SAFETY INFORMATION

o PAGES 3 - 4 INSTALLATION

o PAGES 4 – 6 PROGRAMMING

o PAGE 7

OPERATING

o PAGE 7

MAINTENANCE

o PAGES 7 - 8 TROUBLESHOOTING

o PAGES 9 - 14 PARTS LIST

o PAGE 15 - 19 WIRE DIAGRAMS

SPECIFICATIONS:

Unit specifications:

Voltage: 120v, 60Hz

Amperage: (1) 30 amp service is required for this unit

Weight: 260 lbs with pallet attached

Vac specifications:

Motors: (3) Electro/Ametek 120v motors

Fuses: (3) 10 amp inline fuses

Blower motor specifications:

Motor: (1) Domel/Electro 120v Fuses: (1) 20amp inline fuse

Heater: (1) 1200watt heating element.

NOTE: "UNIT INTENDED FOR COMMECIAL USE ONLY"

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE).

WARNING – To reduce the risk of fire, electric shock, or injury:

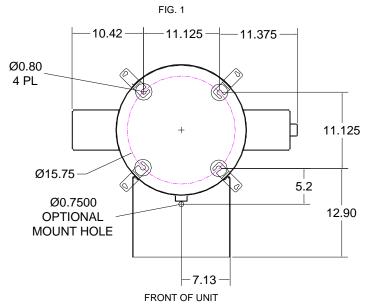
- Do not use vacuum on wet surfaces.
- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not use to pick up or blow dry flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- "Do not pick up or blow dry anything that is burning or smoking, such as cigarettes, matches, or hot ashes."
- "DO not use vacuum without dust bag and/or filters in place."
- Use caution when touching the blower motor after use heater tube can get hot!

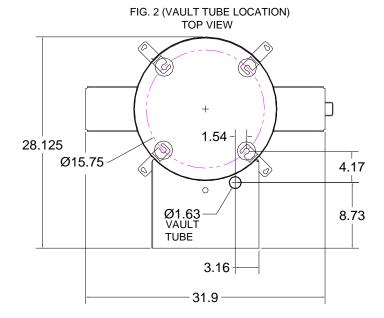
 Keep hands, clothing, and other objects away from air intake on blower motor.

SAVE THESE INSTRUCTIONS

Installation Instructions:

- Determine location to mount unit ("DANGER" "THIS EQUIPMENT INCORPORATES PARTS SUCH AS SWITCHES, MOTORS, OR THE LIKE THAT TEND TO PRODUCE ARCS OR SPARKS THAT CAN CAUSE AN EXPLOSION. WHEN LOCATED IN GASOLINE-DISPENSING AND SERVICE STATIONS INSTALL AND USE AT LEAST 20 FEET (6 M) HORIZONTALLY FROM THE EXTERIOR ENCLOSURE OF ANY DISPENSING PUMP AND AT LEAST 18 INCHES (450 MM) ABOVE A DRIVEWAY OR GROUND LEVEL."
- Run 30 amp service to that location (NOTE UNIT HAS WIRE PROVIDED UNDERNEATH TO CONNECT INCOMING POWER SUPPLY)
- Grounding Instructions: This appliance must be connected to a
 grounded metal, permanent wiring system; or an equipment-grounding
 conductor must be run with the circuit conductors and connected to the
 equipment-grounding terminal or lead on the appliance.
- Mount unit to location and use fig. 1 for mount pattern
- If unit is vault ready configuration see fig. 1 for mounting and fig. 2 for vault tube location.





- Once unit has been installed use 5871B8 cap plugs supplied with unit to seal holes in canister bottom located in lower cleanout door. Then connect to power.
- Turn unit on and move to program instructions.

Programming Instructions:

Coin acceptor:

- No programming to acceptor needed if unit was purchased with the standard Imomex Z32 electronic acceptor (8149-92 our part number) is pre-programmed to accept US quarters, .984 tokens, US \$1 coin and 1.073 token. Acceptor is pre-programmed before it is sent to J.E. Adams.
- If different acceptor was purchased, see additional literature sent along with unit for programming info.

Bill acceptor:

 Bill acceptor comes pre programmed from J.E. Adams and should not require any changes. If additional programming is needed to acceptors please refer to additional literature sent along with this unit.

Display:

- Unit may be programmed when received depending on information given at that the time of order.
- To program follow the instructions below.

Display programming with remote:

- 1) Press the red power button.
- 2) Timer will display 0000. At this time type in 4 digit access code. Note code will be 1234 until changed by customer.

- 3) Once code has been entered display should read ok. If display does not read ok, repeat step 1 and 2.
- 4) Press *CH* + button. Timer will display coin value. This should \$.25 and should not be changed.
- 5) Press the *CH* +button. Display will now read (*A: 30*) or may be a different time. (*A*) Will be the time per coin for the *HOT AIR DRYER*. Set desired time per coin by using the *VOL* to decrease or the *VOL* + to increase. Once time is entered move to next step.
- 6) Press the *CH* + button. Display will now read (*B: 30*) or may be different time. (*B*) Will be the time per coin for *VAC*. Set desired time per coin by using the *VOL* to decrease or the *VOL* + to increase. Once time is entered move to next step.
- 7) Press the *CH +* button. Display will now read C. C is not used.
- 8) Press the *CH +* button. Display will now read *D*. *D* is not used.
- 9) Press the *CH* + button. Display will now read *E*. *E* is not used.
- 10) Press the *CH* + button. Display will now read *F*. *F* is not used.
- 11) Press the *CH* + button. Display will now read (on A). This is the number of coins to start *HOT AIR DRYER*. Use the *VOL* and *VOL* + to adjust. Once this is done press the *CH*+ button and repeat for (B) *VAC*.
- 12) Press the **CH** + button. Display will read bonus time. Set if desired. See explanation at the end programming instructions.
- 13) Press the *CH* + button. Display will debit mode. Set if desired. See explanation at the end programming instructions.
- 14) Press the *CH* + button. Display will delayed start. Set if desired. See explanation at the end programming instructions.
- 15) Press the *CH* + button. Display will read *HLxx*. Set if desired. See explanation at the end programming instructions.
- 16) Press the *CH* + button. Display will read Restart off or restart on depending on what is set. Restart off will require a person to put in full amount after unit is turned off to reactivate. Restart on allows for additional coins to be put in the machine to keep unit running. To set use *VOL* or *VOL* + to change.
- 17) Press the *CH* + button. Display will now read *STD* or *USER* or *MIX*. To make a custom message use *VOL* + button to scroll to USER. At this point press and hold *CH* + button until original message appears. At this time you may change the message simply by using the *VOL* or *VOL* + buttons to change letters. *Once message has been entered you must put the symbol* / *at the end of message*. This will tell display that this is the end of the message.
- 18) Press the *CH* + button now 5 more times to exit programming.
- 19) Unit should now be programmed.

Program definitions:

• Bonus time settings:

- Amount of time set in bonus time is added to regular time per coin/pulse(e.g. if you want to give 45 seconds for bonus time and your regular time per coin is 30 seconds, you would set bonus time at 00:15)
- ➤ Bonus is disabled by setting bonus time to 00:00.
- ➤ If bonus time is set to less than one minute, bonus time is added when bonus coin is reached and every coin after that until time expires.
- ➤ If bonus time is set at 1:00 or more, bonus will be a "one time" bonus. Bonus time will only be added for bonus coin or multiplies of bonus coin (e.g. 16th coin, 32nd coin, etc). Any other coin will on receive regular time per coin.
- ➤ If bonus time is set to 99:00, when bonus coin is deposited, timer will show "-on-" and timer will continue to run until coin switch wire is shorted to ground by a loop detector or other switch closure for a minimum of two seconds.

Debit and credit mode:

- ➤ Debit mode: As coins are deposited display shows "\$1.75 MORE, \$1.50 MORE, \$1.25 MORE" etc. until start price is reaches. Once start price is reached display switches to time accumulating until no more coins have been deposited.
- Credit mode: As coins are deposited display shows money accumulating (\$.25, \$.50, \$.75 etc). If timer is also set to delayed start mode timer will continue to show money accumulating until no more coins have been deposited. If timer is set to instant start, as soon as start price is reached, timer will change to time counting down.
- ➤ Both mode: As coins are deposited display shows money accumulating (\$.25, \$.50, \$.75 etc). If start price is not reached, after 5 seconds timer will alternate between "add \$x.xx more" and amount of money already deposited.

<u>Display programming with push button:</u>

- Unit can be programmed using buttons that are located inside display.
 One is labeled \$2, which is used to change from item to item. One is labeled \$1 which is used to set desired value. If you hold down \$1 this will cause numbers to decrease. If you repeatedly push \$1 numbers will increase.
- When programming with buttons use same instructions as remote except for the following. Where it says to press CH + use S2 and where it says to use VOL + or - use S1.

Operating Instructions:

- Insert coins or bills to start machine, then press desired function button.
- If other function is selected other than original selected item unit will recalculate timer based on the amount of money it takes to start the specific function.
- Once service is used, hang up hose.

Maintenance:

- Filter bags should be taken out weekly and shaken out. Also it might be a
 good idea to keep a new set of bags on hand so that once a month or
 longer you can take original bags out and wash them.
- Check vac hose and hot air blower hose for cracks on a weekly basis.
- Clean canister with a stainless steel cleaner as needed.
- Check motor brushes approx. every 3 months for excessive wear. Motor brushes should be changed if they are shorter than ¼". Please disconnect power before doing this.
- If hot air blower hose needs repair, threaded joints must be fastened with JB weld epoxy. Hose clamps will need to be retightened after hose couplers get to full operating temperature.
- All servicing of machine should be conducted by an authorized service representative.

Troubleshooting: DISCONNECT POWER BEFORE SERVICING

Problem	Possible cause	Solution
Unit is not powered	Breaker inside unit is not in the on position	Flip breaker on
Display is not powering	Breaker inside unit is not in the on position	Flip breaker on
	Check transformer inside main power box in unit. Is there 24VAC at output terminal?	Replace transformer (8131-2)
Display reads "fail"	Coin acceptor putting out continuous pulse	Press mode button on display. If fail does not go away replace coin acceptor. (8149-92)

	Program in display may be lost	Reprogram display. If fail goes away and then comes back, replace battery in display.
Unit keeps blowing my breaker from my incoming power source	Inadequate wire size supplied to machine	Call electrician and install proper wire size for 30amp service versus wire length or run.
	Wrong size breaker	Install correct breaker (only use wire size that is adequate to handle 30 amp breaker).
Fuses for vac motors keep blowing.	Inadequate wire size supplied to machine	Call electrician and install proper wire size for 30amp service versus length or run.
	Motor brushes may be bad or too short	Replace motor brushes (8055BR)
Hot air dryer heater will not come on.	Heater is controlled by 85 deg ambient temperature thermostat. Heater will not come on if temperature is near this point or if unit has been ran and is warmed up.	No action required unless ambient temperature is lower than 70 degrees and unit hasn't ran for a while. If so, unit may need serviced.
Hot air dryer motor will not come on.	Motor brushes may be bad or too short.	Replace brushes with Domel brand brushes.
Unit has lost suction or blowing power.	Hose clogged or damaged (vacuum) or hose connection is broke or damaged (hot air dryer). Filter bags need cleaned.	Clean debris from vac hose or replace (2036). Repair connection or replace hot air hose (2036-2). Clean out filter bags or replace (8076)
	Vac hose is damaged.	Replace vac hose (2036)
	Cleanout door gaskets torn or worn or lower cabinet mounting holes no longer have plugs in them.	Replace door gaskets (8159) or replace lower cabinet hole plugs (5871B8). DO NOT REUSE OLD PLUGS.

