Misty Fragrance

Stand Alone Fragrance Unit

Installation/Operations Manual

COLEMAN
HANNA
CARWASH SYSTEMS LLC

AN O'HANRAHAN COLEMAN COMPANY

5842 W 34th St • Houston, TX 77092
1.800.999.9878 1.713.683.9878
www.colemanhanna.com

Find us on Facebook:
/ColemanHannaCarwash

1. EQUIPMENT PLANNING AND ARRANGEMENT

1.1 Unpacking The Equipment

Before any operation can be carried out there must be a time of planning. This is no different for the installation of the **46010 Pole-Mount Fragrance Machine**. Carefully plan the layout and setup before starting the installation process.

Thoroughly inspect each component for visible damage. Uncrate the equipment **only if there is no damage**.

> ✍ **NOTE: Carefully inspect and evaluate the freight upon arrival. If there is damage to any boxes or crates immediately report it to the freight carrier.**

1.2 Using Suggested Installation Procedures

This manual contains a suggested installation prodecure section. Completely read through this manual **prior** to beginning installation. This will ensure a proper understanding of the system and its installation procedures.

DANGER
HIGH
VOLTAGE

The installation of this equipment involves high and low voltage electrical connections. Only qualified and trained personnel should be used in it's hook-up.

This equipment's circuit protection is located in the main electrical panel of the building supplying power to this device. Insure that this protection is in place and rated according to the guidelines set forth on the equipment not to exceed 15 amps.

2. SUGGESTED INSTALLATION PROCEDURE

- Remove stainless steel shroud from under meter to expose 110V cord. Unbolt unit from wooden crate as stated in the previous section.

- Set unit on cardboard, and make a template or pattern by cutting out cardboard in shape of unit.

- Take template and set on base, and mark holes for bolts. Drill holes in concrete using an 1/2 drill bit. Blow out all concrete dust from holes. Set unit over holes, and hammer in ½" x 3¾" Hilti Bolts.

- Plug unit into the cord under the shroud. Install stainless steel shroud back in place.

- Open up Model 46010 cabinet with keys provided with Owner's Manual.

- Remove glass containers from visual display, and fill about ¾ full with visual display fluid found in quart bottles. Do not overfill, or fluid will overflow when you put in air tube and cap. Put one color into each glass container, and put back in window.

- Place one gallon fragrance bottles in the bottom of the cabinet. Punch a small hole in the cap of the fragrance bottle, and feed the small plastic tubing into the fragrance bottle. On the control panel are four brass solenoids, with the top solenoid tied into the left-hand fragrance on the door. The second solenoid from the top is the center fragrance on the door, and the third solenoid is the right-hand fragrance on the door. Install the decals on the door to match the proper color of the display fluid, and to match the fragrance you placed inside the cabinet.

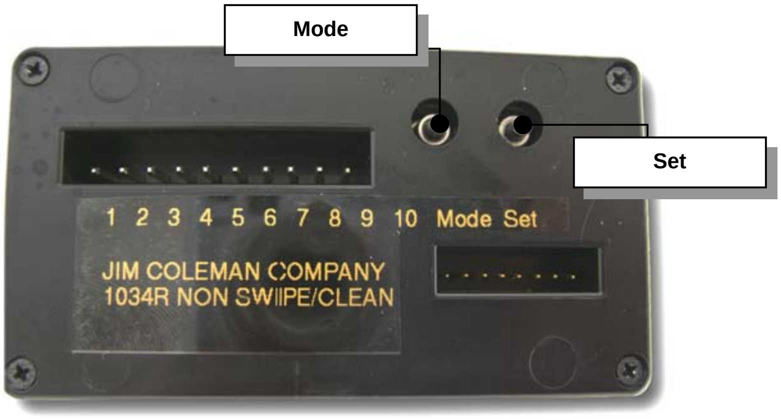
- Now, turn on the power to the unit and install a sample coin in the Sensortron. Refer to the Timer Instruction Sheet to properly set price and time on timer. Unit is preset to price on decals and normal time.

- Refer to Price and Time Setting Sheet to properly set price and time on timer. Unit is preset to price on decals and normal time.

- Drop coins into coin acceptor, and turn fragrance machine on. Run each fragrance about 1-2 minutes to completely purge all air from lines. Make sure that when you select a fragrance, that fragrance is the one being dispensed.

3. EQUIPMENT PROGRAMMING

There are two buttons located on the back of the timer that are used for setting the price and time, as well as retrieving information.



3.1 Initial Setup of New Timers

When you first receive your timer and power it up, the display will be flashing zeros. This indicates that the timer needs to be programmed to function properly. The following menus indicate the information that will need to be input to make the timer function properly.

3.2 Menus

Let's start by explaining the purpose of each menu.

MENUS FOR VACUUM

Menu	***Valid Entries***
A. Number of Coins to Start Vacuum	Valid entries are from 1 to 20 coins to start the vacuum
B. Number of Seconds per Vacuum	This menu creates some confusion for customers. TYPICALLY THIS NUMBER IS LEFT AT ZERO. The menu is in place for those customers who have a wash that starts at 3:30, for example. In this case, you would enter the :30 at this point. Valid entries are from :00 to :59.
C. Number of Minutes Per Vacuum	Valid entries are from 0 to 9.
D. Number of Times Warning Horn Beeps	This is the number of times the user would like the warning horn to sound at the one-minute mark. Valid entries are from :00 to :59. If the menu is left at :00, the warning horn is disabled.
H. Amount of Time per Coin After the Start-Up Price is Satisfied.	This is the amount of time that the customer will receive for each additional coin deposited after the initial turn-on price is deposited.

MENUS FOR FRAGRANCE

Menu	Valid Entries
When the "H" menu is complete, press the **mode** switch. Menus "A" - "H" will repeat, allowing you to enter the fragrance information.	
A. Number of Coins to Start Fragran	Valid entries are from 1 to 20 coins to start the vacuum/fragrance machine
B. Number of Seconds per Fragranc	This menu creates some confusion for customers. TYPICALLY THIS NUMBER IS LEFT AT ZERO. The menu is in place for those customers who have a wash that starts at 3:30, for example. In this case, you would enter the :30 at this point. Valid entries are from :00 to :59.
C. Number of Minutes Per Fragrance	Valid entries are from 0 to 9.
D. Number of Times Warning Horn Beeps	This is the number of times the user would like the warning horn to sound at the one-minute mark. Valid entries are from :00 to :59. If the menu is left at :00, the warning horn is disabled.
H. Amount of Time per Coin After the Start-Up Price is Satisfied.	This is the amount of time that the customer will receive for each additional coin deposited after the initial turn-on price is deposited.
E. Four-digit PIN Code	This menu is used to input the Personal Identification Number. This number is used to access the timer via the hand-held remote control.
F: Vacuum Test Time	This function sets the amount of time the user can test the vacuum by using the "TEST" feature on the remote control. Valid entries are from 0:00 to 9:00. If the unit is set to 0:00, this feature is disabled.

3.3 Programming the Timer

- Now, let's walk through the programming of the timer, step by step.

- Begin by pressing the **mode** switch and holding down for five (5) seconds. The display will now show the "A" menu.

- Now press the **set** switch until you reach the number of coins it takes to start your vacuum. (Don't worry if you accidentally go past your number; the timer "wraps around" when you exceed 20.) Also, note that anytime you press and hold the **set** switch, the display increments at 1/2 second increments.

3.3.1 Vacuum

- Once you have the proper number displayed on the "A" menu, press the **mode** switch and release it. This display will now show the "B" menu.

- Now, using the **set** switch, input the number of seconds, if any, that you have in your initial vacuum cycle.

- Press the **mode** switch, and the display will show the "C" menu. Using the **set** switch, enter the number of minutes you have in your initial vacuum cycle.

- Press the **mode** switch, and the "D" menu appears. Using the **set** switch, enter the number of seconds that you want the warning horn to sound at the one-minute mark when a customer is using the vacuum.

- Press the **mode** switch, and the "H" menu appears. Using the **set** switch, enter the amount of time that the customer should receive upon depositing additional coins after the vacuum turn-on price has been satisfied.

3.3.2 Fragrance

- At this point, menus "A" - "H", above, will repeat, allowing you to input the correct fragrance information.

- Press the **mode** switch, and the "A" menu appears, again. This time, use the **set** switch to input the number of coins it takes to start your fragrance machine.

- Press the **mode** switch, and the "B" menu appears. Now, using the **set** switch, input the number of seconds, if any, that you have in your initial fragrance cycle.

- Press the **mode** switch, and the display will show the "C" menu. Using the **set** switch, enter the number of minutes you have in your initial fragrance cycle.

- Press the **mode** switch, and the "D" menu appears. Using the **set** switch, enter the number of seconds that you want the warning horn to sound at the one-minute mark when a customer is using the fragrance machine.

- Press the **mode** switch, and the "H" menu appears. Using the **set** switch, enter the amount of time that the customer should receive upon depositing additional coins after the fragrance turn-on price has been satisfied.

- Press the **mode** switch, and the "E" menu appears. Press the switch until the first digit of the PIN code you have selected appears. Continue pressing the **mode** and **set** switches to enter each individual digit of the four-digit PIN code you have selected.

- Press the **mode** switch, and the "F" menu appears. Using the **set** switch, enter the number of minutes that the timer will run while testing the vacuum, using the hand-held remote control.

- Now, press the **mode** switch one final time, and the timer will display the $.00 and add up as coins are deposited. Congratulations! You're finished programming!

3.4 Accessing Timer Functions

3.4.1 Resettable Coin Counter

Once the timer is set up, you can access the coin-count function via the **set** switch. By pressing and releasing the **set** switch, the timer will display the number of coins that have been input for two seconds. Next, the timer will display the number of vacuum cycles for two seconds, then the number of fragrance cycles for two seconds. If you hold the **set** switch engaged for five seconds, the timer will zero this amount.

3.4.2 Modifying Existing Programs

To modify existing programs, press and hold the **mode** switch until the timer begins flashing zeros. Now release the **mode** switch, and the timer will return to the "A" Menu for set up. The timer "remembers" the previously programmed values. This is helpful if you are only changing one portion of the program. By repeatedly pressing the **mode** switch, you are able to step through the menus until you reach the item you wish to modify.

3.5 Programming Via the hand-held Remote Controller

3.5.1 Modifying Existing Programs

☞ NOTE: The timer must be set up using the mode and set switches on the back of the timer before the remote control will function.

- To use the remote control, point the front of the remote directly at the front of the timer, and be within a two foot range.

- Now slowly input the PIN code by pressing the appropriate number on the key pad.

- After the proper code has been set into the timer, the warning horn will beep for a half-second. This indicates that the proper code has been input, and the time is waiting for further instructions.

Three important items need to be addressed at this point:

  - Once the four-digit PIN has been entered and the timer beeps, if no further command is received for seven seconds, the timer automatically reverts back to normal operation. You will now have to input your PIN code once again to access your timer. This prevents you from inputting your code and inadvertently walking away, leaving the timer disabled.

  - While the timer is being accessed by remote control, it will not accept coins or tokens.

  - Only the means "A", "B", "C", "D" and "H" may be accessed using the remote control. This gives the owner more security over improper use of the remote control by an attendant.

Once the PIN code has been entered, and before seven seconds has elapsed, you can do any of the following:

- **Modify Setup Parameters** Access the feature by pressing the **mode** switch on the remote. Now the setup is similar to the setup using the **mode** and **set** switches during initial programming. The only major differences are that the remote control has an up/down feature for the **set** switch. This allows you to rapidly increment or decrement a setting.

- **Obtain Quarter Count** Press the COIN button to obtain a coin readout of the number that have been dropped. If you hold this button for five (5) seconds, the number will zero.

- **Obtain Test Count** Press the TEST CYCLES button to obtain the number of times an attendant has used the test feature. This feature is non-resettable.

- **Use Test Feature** Press the TEST button, and the timed output from the timer turns on the vacuum. The display indicates "TEST" to remind you that the timer is in the test **mode**. You may press CNCL to cancel this time if you are finished early. Otherwise, the timer will "time out" after the amount of time you have set in the "F" menu during the initial programming.

3.6 Example of Typical Set-up

- I have a vacuum/fragrance machine that requires $1.00 to start that vacuum, and $1.00 to start the fragrance machine.

- The vacuum cycle lasts for a period of four minutes, while the fragrance cycle lasts for forty-five seconds.

- At the one minute mark, I want to alert my customer, with five (5) beeps, that time is about to run out.

- A customer depositing additional coins while using the vacuum will receive one minute of time for each coin.

- A customer depositing additional coins while using the fragrance machine will receive eleven seconds for each coin.

- I have chosen 3459 as my Personal Identification Number (PIN).

- I know that it takes me about three minutes to test my vacuum fragrance machine.

The following is how I would set up my timer based on the previous information:

Menu Entry	Description
A:04	Coins Required to Turn on Vacuum
B :00	Seconds Vacuum Cycle will Run
C4:00	Minutes Vacuum Cycle will Run
D :05	Number of Times Warning Horn will Sound.
H1:00	Amount of Time Earned by Depositing Additional Coins
A:04	Coins Required to Turn on Fragrance Machine
B:45	Seconds Fragrance Cycle will Run
C:00	Minutes Fragrance Cycle will Run
D:05	Number of Times Warning Horn will Sound
H:11	Amount of Time Earned by Depositing Additional Coins
3EEE 34EE 345E 3459	Personal Identification Number (PIN#)
F3:00	Time the Test Function Runs for.

Congratulations! Your timer is now set up and ready for operation.

4. THEORY OF OPERATION

- Coins are deposited into coin acceptor.
- Coin acceptor sends out a 24V pulse to the timer.
- Once the proper amount of coins are deposited, the timer then waits for a signal form the push button switch.
- When a fragrance is selected, the timer turns on the proper fragrance solenoid, air compressor, and, during the first three seconds, an air solenoid.
- The air compressor starts pumping air to the stainless steel gun. In the gun is an atomizer that creates a suction, causing the fragrance to be pulled into the gun and blown out into a mist.
- The air compressor will continue to run until the time runs out on the timer. You can change fragrance selection at anytime during the cycle.

5. MAINTENANCE

Weekly	Every Six Months
1) Clean out plastic dirt canister.	1) Remove vacuum dome and wash thoroughly.
2) Clean vacuum bags with brush.	2) Clean fluorescent lamps with damp towel.
3) Clean stainless steel door, and check gasket for leaks.	3) Check brushes in vacuum motor for wear, and replace as needed.
4) Wash vacuum hose inside and out.	4) Wash filter bags.
5) Wipe down outside unit and hose assembly with damp cloth.	5) Wash out bottom dirt canister and dirt funnel.
6) Check fragrance levels in one gallon container and refill as necessary.	6) Check hose for fraying and replace as necessary.
7) Check levels on visual display tubes.	
8) Test fragrance machine operation.	

6. PARTS LIST

ITEM	PART #	DESCRIPTION
19	24320	Cam Lock Assembly
22	37104	Price Decal
25	26022	Coin Return Cup (1)
27	93185	Coin Box Tray SS (1)
28	26242	Electronic Coin Acceptor (1)
29	24442	Abus Coin Box Lock (1)
30	93190	Coin Box Door (1)
31	93195	SS Shroud (1)
32	93200	Screw-Shroud (6)
53	92176	Power Cord (1)
60	40050	Square D 25 Amp Circuit Breaker
63	82062	24 V-120 V Transformer (1)
64	93260	Wiring Harness (1)
65	93265	Motor Power Cord (1)
66		Cabinet
67		110V Heater
68		Coin Chute
69	12002	Air Compressor
70	22052	¼" ST Elbow
73	93170	Door Gaskets
74	68120	Freeze Thermostat
75	40002	6 Pin Terminal Strip
76		SS Gun Holder Assy
77	52122	1/8" Barb x 10-32MT
79	52120	1/8" x 10-32 Adapter
80	64010	1/8" 3-Bank Solenoid Block
81	52128	1/8" MPT x 1/8" Tubing 90º
82	22094	¼" X 1/8" Bushing
84	60029	Small Relay Base
85	60005	Small Relay IPDT 24V
86	33420	CT2040 Count Down Timer
87	22002	3/8" MPT x 3/8" SAE Coupling
88	52169	12' x 3/8" Hose Assy

ITEM	PART #	DESCRIPTION
90		Hinge
91	46028	Bubbler Tube
92	40182	3" Tie Wrap
93	46030	Display Air Line
94	46038	Column Tube Cap
95	46014	Fragrance Machine Door
96	46068	Visual Display Tube Holder
97	12004	Visual Display Air Compressor
98	24340	Cam Lock Cam
100	42004	Fluorescent Lamp 24" 20 Watt
101	42010	Light Fixture
103	72026	Push Button Switch
105	37450	Door Decal
106	46023	Column Display Tube
107	24352	Cam Lock Mounting Nut
108	29348	Cam Lock Lock-Washer
109	24350	Cam Lock Nut
110	46073	Lexan Face Plate
111	46024	Visual Tube Mounting Gasket
112		Fluorescent Fixture Mnt Bracket
113	37460	Fragrance Selection Decal
115	52169	12' x 3/8" Hose
117	52100	12' x 1/8" (x4) Tubes
118	46054	Fragrance Atomizer
119	46046	SS Fragrance Gun

****DENOTES PARTS THAT ARE NOT ON THE PARTS BREAKDOWN**

✍ NOTE: The Vacuum/Fragrance Timer is used in a fragrance only machine to reduce the amount of spare parts that are needed by the operator. Therefore, a vacuum/fragrance timer will work in all regular vacuums as well as fragrance machines.