

## TABLE OF CONTENTS

- Product Information ..... 3
- Specifications. ..... 4
- Installation ..... 5-10
o Requirements. ..... 5
o Installation Directions ..... 6
o Figure 1: Hose Reel Base Footprint ..... 7
o Figure 2: Mounting and Routing Detail ..... 8
o Figure 3: Electrical Installation Detail. .....  9
o Figure 4: Cabinet and Base Dimensions ..... 10
- Timer setup. ..... 11-15
O SSAC Setup ..... 11
o IDX Setup ..... 12
o Infitec Setup ..... 13
o Timer Settings Chart ..... 14
o Typical Timer Settings ..... 15
- Programming the Remote Start System ..... 16
- Maintenance. ..... 17
- Parts Breakdown. ..... 18-20
o 8670-5WB ..... 18
o 8778A-1 ..... 19
o 22002-51A. ..... 20
- Schematics ..... 21
0 S8670-5WB ..... 21
- Troubleshooting ..... 22


## PRODUCT INFORMATION

Please take a moment to fill out the information below in order to aid us with any future sales or service inquiries. Model number and serial number information can be found on the serial tag located inside the control box and/or on the lower exterior of the can. Key number can be found on the tag that comes attached to the keys. There may be more than one key number depending on unit.

Please keep this information with your records.

MODEL\#: $\qquad$
SERIAL\#: $\qquad$
KEY NUMBER(S): $\qquad$
DATE PURCHASED: $\qquad$

DISTRIBUTOR: $\qquad$
J.E. Adams Industries

$$
1025 \text { 63 }{ }^{\text {rd }} \text { Ave. S.W. }
$$

Cedar Rapids, IA 52404
1-800-553-8861
www.jeadams.com

## SPECIFICATIONS

DeVILBISS COMPRESSOR

- 20 AMP SERVICE REQUIRED
- 120 VAC, $60 \mathrm{~Hz}, 14$ AMPS
- 1.5 HORSEPOWER
- ONE CYLINDER
- ONE STAGE OIL-LESS

SCFM@ PSI :
6 @ 0
5 @ 20
4.1 @ 40
3.1 @ 90
2.9 @ 100
2.1 @ 125 (MAX PSI)

TEMPERATURE RANGE:
-10 DEGREES F TO 100 DEGREES F.

MOTOR:

- $1.5 \mathrm{HP}, 1725 \mathrm{RPM}$
- CAPACITOR START
- NEMA 56 FRAME
- AUTOMATIC THERMAL OVERLOAD.

NO LUBRICATION REQUIRED ON MOTOR OR COMPRESSOR.

## INSTALLATION REQUIREMENTS

## !IMPORTANT!

TO ENSURE PROPER FUNCTIONALITY AND ADHERANCE TO BOTH LOCAL AND NATIONAL ELECTRIC CODES, IT IS RECOMMENDED THAT SERVICE BE INSTALLED BY A LICENCED ELECTRICIAN EXPERIENCED IN COMMERCIAL APPLICATIONS. INADEQUATE POWER AND WIRING MAY CAUSE THE UNIT TO PERFORM ERRATICALLY, BLOW FUSES AND TIME INCORRECTLY.

## GENERAL MECHANICAL:

- ALL DIMENSIONS IN DRAWINGS ARE IN INCHES.
- MOUNTING STUD SIZE 3/8" X 16 UNC X 1 ".
- 4 " MINIMUM CONCRETE REQUIRED AROUND MOUNTING STUD.
- 18" MINIMUM PAD RECOMMENDED FOR BUMPER CLEARANCE.

FOR GASOLINE DISPENSING LOCATIONS:

- A MINIMUM 18" HIGH PAD ABOVE THE DRIVEWAY.
- 20 FOOT HORIZONTAL CLEARANCE FROM THE EXTERIOR ENCLOSURE OF ANY GASOLINE DISPENSING PUMP.


## ELECTRICAL SERVICE:

- Dedicated service required
o 120 V single phase
o 20 amp service
o 60 Hz cycle
- Minimum service wire size:
o Less than 100ft run: 12 Ga
o 100ft - 200ft run: 10Ga


## INSTALLATION

## IT IS HIGHLY RECOMMENDED THAT THIS UNIT BE INSTALLED BY A LICENSED

ELECTRICIAN to ensure all local and national electrical codes are adhered to.

1. This unit is designed to be used with the J.E. Adams 6025 hose reel base.
2. Using the 6025 footprint dimensions shown in Figure 1, locate and install mounting studs.
3. Secure hose reel base to mounting studs securely. DO NOT install the cover at this time.
4. Mount cabinet to base securely as shown in Figure 2, using only the four $5 / 16-18 \mathrm{X}^{1 / 2}$ " bolts. DO NOT install the $1 / 4-20 X^{1 / 2 \prime \prime}$ bolts at this time.
5. Using Figures $2 \& 3$, install electrical and water services to the unit and run air and water lines to the inputs of their respective hose reels. Air line should run between the output of the unloader valve and the input of the air reel.
6. Set timer to desired time and coin settings (pages 11-15).
7. Apply power to the unit and verify proper operation.
8. Install hose reel cover using $1 / 4-20 \mathrm{X} 1 / 2$ " bolts to secure in place as shown in Figure 2.


Figure 1: Installation footprint for $\mathbf{6 0 2 5}$ hose reel base


Figure 2: Mounting and routing detail


Figure 3: Electrical installation detail


Figure 4: Cabinet and hose reel base dimensions

## TIMER SETUP - SSAC TIMERS



Figure 5: SSAC timer setup
Figure 5 shows an SSAC timer set for 1 coin to start and 3.8 minutes per coin for a total run time of 3.8 minutes ( 3 minutes and 48 seconds).

## Note: "AE" and "AN" model SSAC timers are accumulating timers. During use, timing can be extended proportionately by adding more coins.

The SSAC timer has two adjustable settings: Time per coin (in minutes) and number of coins to start.

## Time per coin:

Time per coin is the amount of time the unit will run per coin inserted and can be set from 0.1 minutes ( 6 seconds) to 12.7 minutes ( 12 minutes and 42 seconds) in increments of 6 seconds by turning on the correct switches until their values equal the desired time. Refer to Tables 1 and 2 (pages 14-15) for standard timer and coin settings. For custom settings, follow the steps below:

1. Figure the total time your vac will run (in minutes) and divide that number by the number of coins to start. This is your time per coin. Round up or down to the nearest tenth of a minute.
2. Subtract the largest value switch (initially 6.4) from your time per coin.
a. If the resulting number is zero, move the switch to the "on" position and set all remaining un-set switches in the "off" position. Your timer is now set.
b. If the resulting number is positive, move the switch into the "on" position. Using the resulting number as your new time per coin, repeat step 2 with the next largest switch value.
c. If the resulting number is negative, set the switch in the "off" position and repeat step 2 using the next largest switch value.

## Coins to start:

Coins to start is the amount of coins needed to activate the timer and can be set from one to seven coins in increments of one coin. Refer to Table 1 (page 14) for switch settings.

## TIMER SETUP - IDX TIMERS

Note: IDX timers are accumulating timers. During use, timing can be extended proportionately by adding more coins.

The IDX timer has two adjustable settings: Time per coin (in seconds) and number of coins to start.

## Time per coin:

Time per coin is the amount of time the unit will run per coin inserted and can be set from 2 seconds to 510 seconds ( 8.5 minutes) in increments of 2 seconds by turning on the correct switches until their values equal the desired time. Refer to Tables 1 and 2 (pages 14-15) for standard timer and coin settings (Note: IDX timers do not have 1 second or 512 second switches. When configuring timer using Table 1, ignore settings for switches 1 and 512). For custom settings, follow the steps below:

1. Figure the total time your vac will run (in seconds) and divide that number by the number of coins to start. This is your time per coin. Round up or down to the nearest even number.
2. Subtract the largest value switch (initially 256) from your time per coin.
a. If the resulting number is zero, move the switch to the "on" position and set all remaining un-set switches in the "off" position. Your timer is now set.
b. If the resulting number is positive, move the switch into the "on" position. Using the resulting number as your new time per coin, repeat step 2 with the next largest switch value.
c. If the resulting number is negative, set the switch in the "off" position and repeat step 2 using the next largest switch value.

## Coins to start:

Coins to start is the amount of coins needed to activate the timer and can be set from one to seven coins in increments of one coin. Refer to Table 1 (page 14) for switch settings.


Figure 7: Infitec timer setup
Figure 7 shows an Infitec timer set for 2 coins to start and a total run time of

$$
240 \text { seconds (4 minutes). }
$$





Table 1: Timer Settings Chart
Note: " $X$ " indicates a switch in the "on" position

| IDX TIMER SETTINGS |  |  |
| :---: | :---: | :---: |
| Amount to Start | Total Run Time | Switches in "On" Position |
| 25¢ | 2 MIN | 8, 16, 32, 64 |
| 254 | 2-1/2 MIN | 2, 4, 16, 128 |
| 256 | 3 MIN | 4, 16, 32, 128 |
| 254 | 3-1/2 MIN | 2, 16, 64, 128 |
| 25¢ | 4 MIN | 16, 32, 64, 128 |
| 254 | 4-1/2 MIN | 2, 4, 8, 256 |
| 254 | 5 MIN | 4, 8, 32, 256 |
| 254 | 5-1/2 MIN | 2, 8, 64, 256 |
| 50¢ | 2 MIN | 4, 8, 16, 32 |
| 50¢ | 2-1/2 MIN | 4, 8, 64 |
| 50¢ | 3 MIN | 2, 8, 16, 64 |
| 50¢ | 3-1/2 MIN | 2, 8, 32, 64 |
| 50¢ | 4 MIN | 8, 16, 32, 64 |
| 50¢ | 4-1/2 MIN | 8, 128 |
| 50¢ | 5 MIN | 2, 4, 16, 128 |
| 50¢ | 5-1/2 MIN | 2, 4, 32, 128 |
| 75¢ | 2 MIN | 8, 32 |
| 75¢ | 2-1/2 MIN | 2, 16, 32 |
| 754 | 3 MIN | 4, 8, 16, 32 |
| 754 | 3-1/2 MIN | 2, 4, 64 |
| 754 | 4 MIN | 16, 64 |
| 754 | 4-1/2 MIN | 2, 8, 16, 64 |
| 754 | 5 MIN | 4, 32, 64 |
| 75¢ | 5-1/2 MIN | 2, 4, 8, 32, 64 |
| \$1.00 | 2 MIN | 2, 4, 8, 16 |
| \$1.00 | 2-1/2 MIN | 2, 4, 32 |
| \$1.00 | 3 MIN | 4, 8, 32 |
| \$1.00 | 3-1/2 MIN | 2, 4, 16, 32 |
| \$1.00 | 4 MIN | 4, 8, 16, 32 |
| \$1.00 | 4-1/2 MIN | 4, 64 |
| \$1.00 | 5 MIN | 4, 8, 64 |
| \$1.00 | 5-1/2 MIN | 4, 16, 64 |


| SSAC TIMER SETTINGS |  |  |
| :---: | :---: | :---: |
| Amount to Start | Total Run Time | Switches in "On" Position |
| 25¢ | 2 MIN | 0.4, 1.6 |
| 254 | 2-1/2 MIN | 0.1, 0.8, 1.6 |
| 25¢ | 3 MIN | 0.2, 0.4, 0.8, 1.6 |
| 25¢ | 3-1/2 MIN | 0.1, 0.2, 3.2 |
| 25\$ | 4 MIN | 0.8, 3.2 |
| 25¢ | 4-1/2 MIN | 0.1, 0.4, 0.8, 3.2 |
| 254 | 5 MIN | 0.2, 1.6, 3.2 |
| 25¢ | 5-1/2 MIN | 0.1, 0.2, 0.4, 1.6, 3.2 |
| 50¢ | 2 MIN | 0.2, 0.8 |
| 50¢ | 2-1/2 MIN | * |
| 50¢ | 3 MIN | $0.1,0.2,0.4,0.8$ |
| 50¢ | 3-1/2 MIN | * |
| 50¢ | 4 MIN | 0.4, 1.6 |
| 50¢ | 4-1/2 MIN | * |
| 50¢ | 5 MIN | 0.1, 0.8, 1.6 |
| 50¢ | 5-1/2 MIN | * |
| 75¢ | 2 MIN | * |
| 75¢ | 2-1/2 MIN | * |
| 75¢ | 3 MIN | 0.2, 0.8 |
| 75¢ | 3-1/2 MIN | * |
| 75¢ | 4 MIN | * |
| 75\$ | 4-1/2 MIN | * |
| 75¢ | 5 MIN | * |
| 75¢ | 5-1/2 MIN | * |
| \$1.00 | 2 MIN | 0.1, 0.4 |
| \$1.00 | 2-1/2 MIN | * |
| \$1.00 | 3 MIN | * |
| \$1.00 | 3-1/2 MIN | * |
| \$1.00 | 4 MIN | 0.2, 0.8 |
| \$1.00 | 4-1/2 MIN | * |
| \$1.00 | 5 MIN | * |
| \$1.00 | 5-1/2 MIN | * |


| INFITEC TIMER SETTINGS |  |  |
| :---: | :---: | :---: |
| Amount to Start | Total Run Time | Switches in "On" Position |
| 25¢ | 2 MIN | 8, 16, 32, 64 |
| 25¢ | 2-1/2 MIN | 2, 4, 16, 128 |
| 25¢ | 3 MIN | 4, 16, 32, 128 |
| 25¢ | 3-1/2 MIN | 2, 16, 64, 128 |
| 25¢ | 4 MIN | 16, 32, 64, 128 |
| 254 | 4-1/2 MIN | 2, 4, 8, 256 |
| 25¢ | 5 MIN | 4, 8, 32, 256 |
| 25¢ | 5-1/2 MIN | 2, 8, 64, 256 |
| 50¢ | 2 MIN | 8, 16, 32, 64 |
| 50¢ | 2-1/2 MIN | 2, 4, 16, 128 |
| 50¢ | 3 MIN | 4, 16, 32, 128 |
| 50¢ | 3-1/2 MIN | 2, 16, 64, 128 |
| 50¢ | 4 MIN | 16, 32, 64, 128 |
| 50¢ | 4-1/2 MIN | 2, 4, 8, 256 |
| 50¢ | 5 MIN | 4, 8, 32, 256 |
| 50¢ | 5-1/2 MIN | 2, 8, 64, 256 |
| 75¢ | 2 MIN | 8, 16, 32, 64 |
| 75¢ | 2-1/2 MIN | 2, 4, 16, 128 |
| 75¢ | 3 MIN | 4, 16, 32, 128 |
| 75¢ | 3-1/2 MIN | 2, 16, 64, 128 |
| 75¢ | 4 MIN | 16, 32, 64, 128 |
| 75¢ | 4-1/2 MIN | 2, 4, 8, 256 |
| 75¢ | 5 MIN | 4, 8, 32, 256 |
| 75¢ | 5-1/2 MIN | 2, 8, 64, 256 |
| \$1.00 | 2 MIN | 8, 16, 32, 64 |
| \$1.00 | 2-1/2 MIN | 2, 4, 16, 128 |
| \$1.00 | 3 MIN | 4, 16, 32, 128 |
| \$1.00 | 3-1/2 MIN | 2, 16, 64, 128 |
| \$1.00 | 4 MIN | 16, 32, 64, 128 |
| \$1.00 | 4-1/2 MIN | 2, 4, 8, 256 |
| \$1.00 | 5 MIN | 4, 8, 32, 256 |
| \$1.00 | 5-1/2 MIN | 2, 8, 64, 256 |

Table 2: Typical Timer Settings
Note: "*" denotes a configuration that is not possible with this timer. See Table 2 for the closest approximation to this time.

## PROGRAMMING THE REMOTE START SYSTEM

Note: The remote start system will need to be re-programmed each time the unit is powered up.

1. Remove cover from signal receiver by pressing in at the center of each of the two lengthwise sides.
2. Locate the covered Learn Code Button and LED indicator at the top of the circuit board. They will be located directly beneath the upper tab holding the circuit board in place.
3. Press and release the Learn Code Button. LED indicator will blink at a rate of two times per second.
4. Press the Transmitter Button once. The indicator light should now be on continuously.
5. Press the same Transmitter Button again. The indicator light should now turn off. The remote start system should now be programmed. Note: You must perform steps 3-5 within 30 seconds. If the LED indicator begins to blink rapidly (about 4 times per second) you must repeat steps 3-5.
6. Test the system to verify proper operation.
7. Replace cover, making sure antenna is hanging straight down outside the cover.


## MAINTENANCE

- Check air and water hoses and attachments periodically for signs of wear or damage and replace them as needed.
- Check door gaskets periodically for signs of wear or damage and replace them as needed.
- Water solenoid may need to be disassembled and cleaned periodically to prevent sticking. To disassemble, remove nut on top of valve and remove coil cover and coil. Then using a flat head screwdriver, remove the piston housing. Clean out any debris on the piston and in the piston housing and reassemble the valve.
- Clean the outside portion of the cabinet with a stainless steel polish. DO NOT use any abrasive cleaners, steel wool or any kind of brush to clean the exterior. Doing so could possibly scratch or damage the finish of the cabinet.
- Mild soap and water may be used to clean the decals. DO NOT use any harsh or abrasive cleaners or the decal surface may be damaged.






## TROUBLESHOOTING

## ! IMPORTANT!

TROUBLESHOOTING SHOULD BE DONE BY A QUALIFIED ELECTRICIAN OR TECHNICIAN WITH POWER DISCONNECTED WHENEVER POSSIBLE. PROCEDURES MARKED !CAUTION! REQUIRE THAT THE POWER BE ON AND MAY INVOLVE DANGEROUS

VOLTAGES.


