

8670 SERIES MANUAL



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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#: _____

SERIAL#: _____

KEY NUMBER(S): _____

DATE PURCHASED: _____

DISTRIBUTOR: _____

J.E. Adams Industries
1025 63rd Ave. S.W.
Cedar Rapids, IA 52404
1-800-553-8861
www.jeadams.com

SPECIFICATIONS:

Unit specifications:

Voltage: 120v, 60Hz
Amperage: (1) 20 amp service for air/water or air only.

(1)10 amp service for air/water or air only "Only on units which in include the letters TT in model #. (Example 8670-2TTA). Do not attempt to hook other models up in this fashion. Instant failure will occur.

Weight: 155-175 lbs with pallet attached

Air specifications:

Compressor: Dependant on Model # ordered
Thomas 120vac@60hz, ¾ hp twin head
Thomas 120vac@60hz, ¾ hp- non twin head
Devilbiss 120vac@60hz, 1 ½ hp

Timer: SSAC, Vend 2000 and Infitec

Water specifications:

Solenoid: 120vac@60hz

NOTE: "UNIT INTENDED FOR COMMECIAL USE ONLY"

Duty cycle: 4 minutes run time- max
4 minutes off time

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:

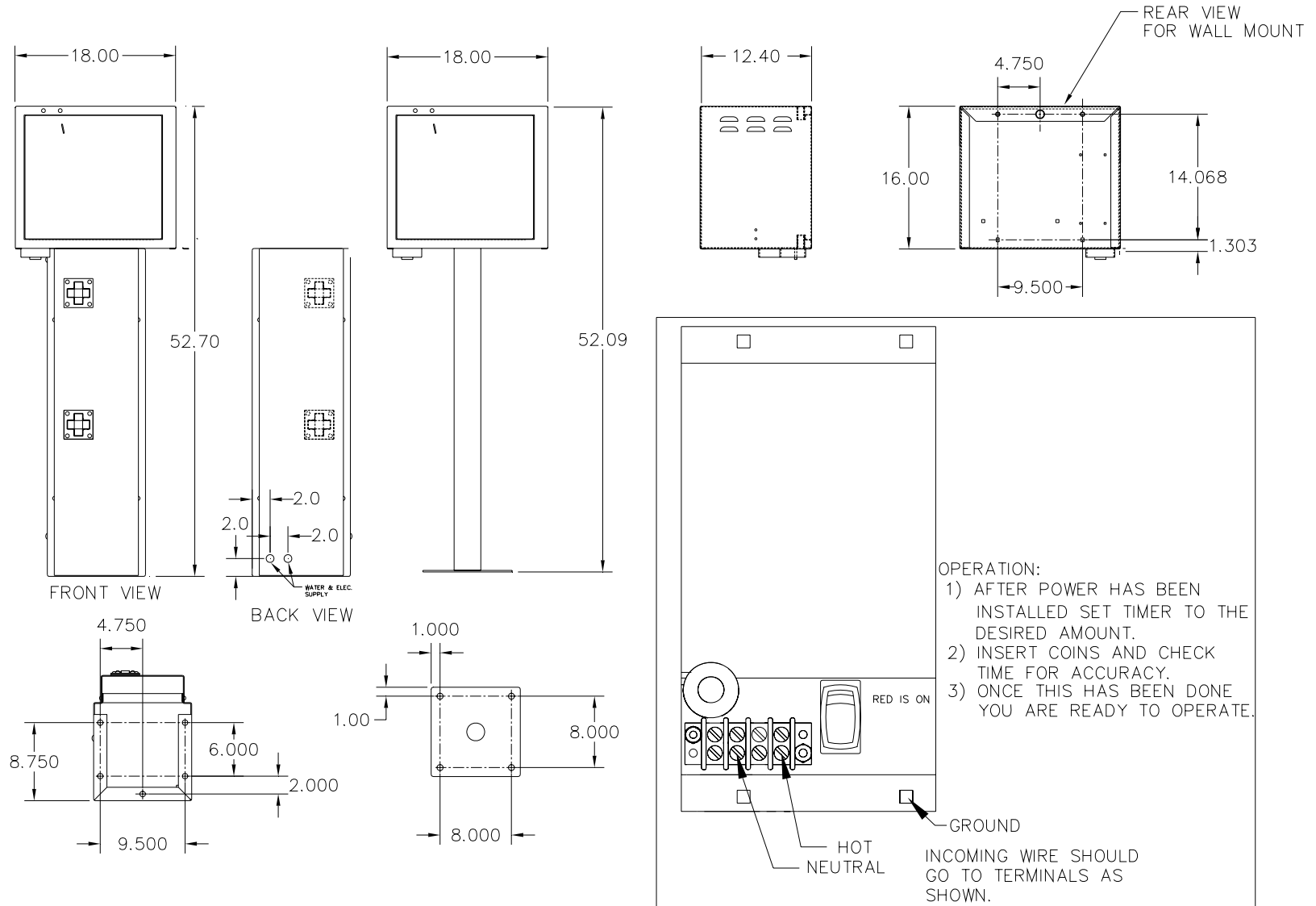
- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Never use air nozzle for anything other than for its intended use.

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 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.
- See next page for bolt pattern.

AIR MACHINE MOUNTING DIMENSIONS



TIMER SETUP - SSAC TIMERS

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.

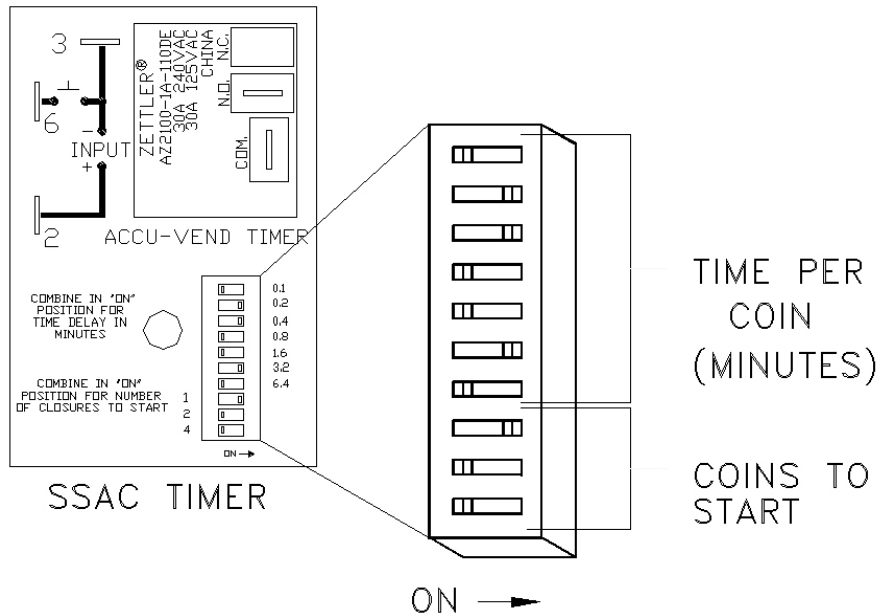


Figure 3: SSAC timer setup

Figure 3 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).

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 2 and 3 (pages 11-12) 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 2 (page 10) for switch settings

TIMER SETUP - INFITEC TIMERS

The Infitec timer has two adjustable settings: Total run time (in seconds) and number of coins to start.

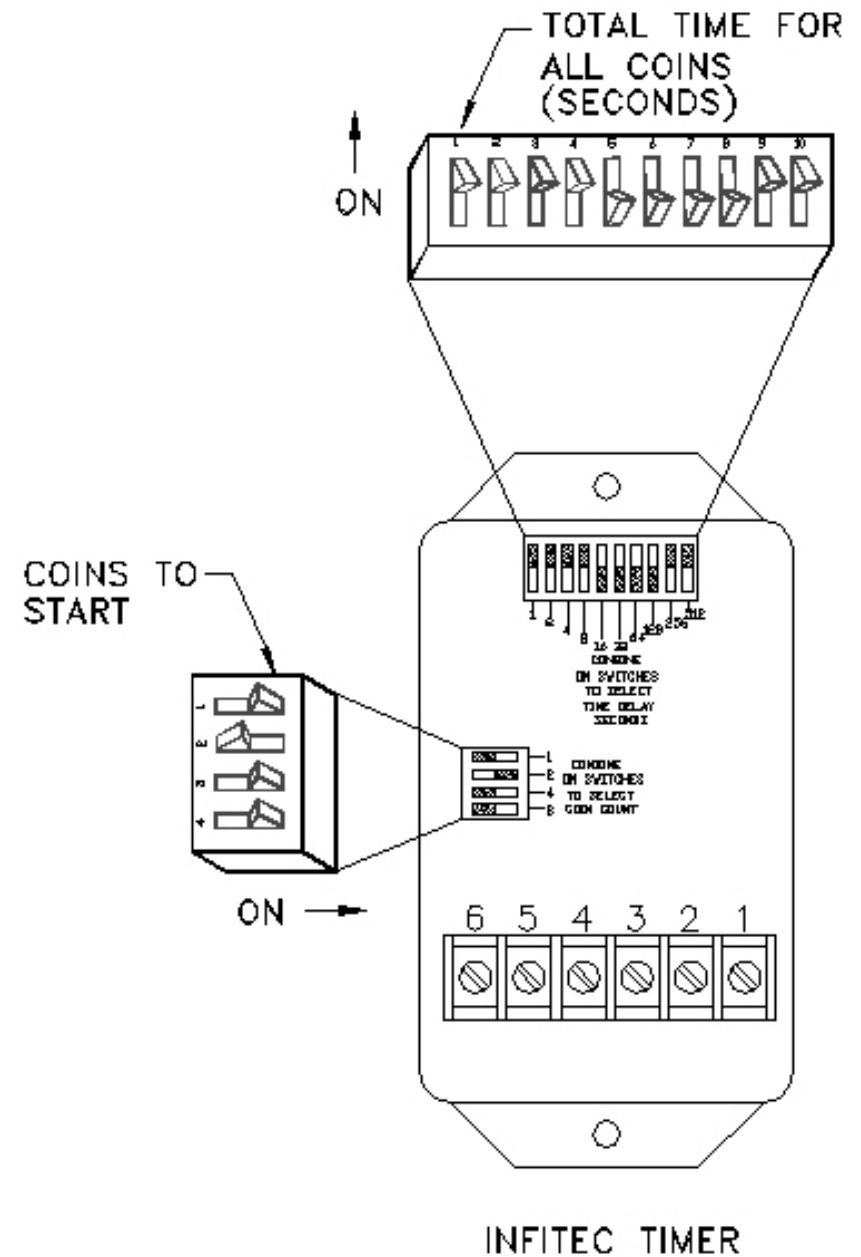
Total run time:

Total run time is the amount of time the unit will run once activated and can be set from *1 second* to *1023 seconds* (*17 minutes and 3 seconds*) in increments of 1 second by turning on the correct switches until their values equal the desired time. Refer to Tables 2 and 3 (pages 11-12) for standard timer and coin settings. For custom settings, follow the steps below:

1. Figure the total time your vac will run (in seconds). This is your **total run time**. Round up or down as desired.
2. Subtract the largest value switch (initially 512) from your **total run time**.
 - 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 15 coins in increments of one coin. Refer to Table 2 (page 10) for switch settings.



Infitec and IDX Timers		IDX Timers: Time Per Coin (In Seconds)																																							
		Infitec Timers: Total Run Time (In Seconds)																																							
Timer Switches		5	10	15	20	25	30	35	40	45	50	55	60 (1 min)	70	80	90	100	110	120 (2 min)	130	140	150	160	170	180 (3 min)	190	200	210	220	230	240 (4 min)	250	260	270	280	290	300 (5 min)				
1	x																																								
2		x	x	x										x						x																					
4	x			x	x								x	x						x	x																			x	
8		x	x										x							x																				x	
16				x									x																											x	
32													x																											x	
64														x	x																									x	
128																																									x
256																																									x
512																																									x

SSAC Timers		Time Per Coin (In minutes)																																								
		0.1 (6sec)	0.2 (12 sec)	0.3 (18 sec)	0.4 (24 sec)	0.5 (30 sec)	0.6 (36 sec)	0.7 (42 sec)	0.8 (48 sec)	0.9 (54 sec)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0					
0.1	x																																									
0.2		x	x																																							
0.4				x	x	x																																				
0.8								x	x	x	x																															
1.6																	x	x	x	x																						
3.2																																										x
6.4																																										x

All Timers		Coins to Start																																								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																										
1	x																																									
2		x	x																																							
4					x	x	x																																			
8																																										

Table 2: 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
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
25¢	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	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
75¢	3 MIN	4, 8, 16, 32
75¢	3-1/2 MIN	2, 4, 64
75¢	4 MIN	16, 64
75¢	4-1/2 MIN	2, 8, 16, 64
75¢	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
25¢	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
25¢	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
25¢	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 3: Typical Timer Settings

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

MAINTENANCE

- Check air nozzle for signs of wear and abuse. Replace as needed.
- Clean air cabinet as needed with a non abrasive stainless steel cleaner.
- Examine air hose for cuts or wear and replace as needed.
- Every month remove filter from compressor and clean.

PART NO.

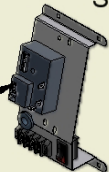
8670 SERIES

DRAWING REFLECTS AN AIR/WATER MACHINE.
SOME ITEMS SHOWN ARE NOT USED ON A
STANDARD AIR MACHINE.

BILL OF MATERIALS

ITEM	PART NUM	DESCRIPTION	QTY
1	10011-3W	DOOR WELDMENT, AIR MACHINE	1
2	40001-40	COMPRESSOR BRACKET	1
3	5639D9	ISOLATOR BUSHING	4
4	5800D6	ELBOW	3
5	5913D1	RED NEON LIGHT	1
6	7122-RV1	RELIEF VALVE	1
7	8124B001	COIN ACCEPTOR, IMONEX	1

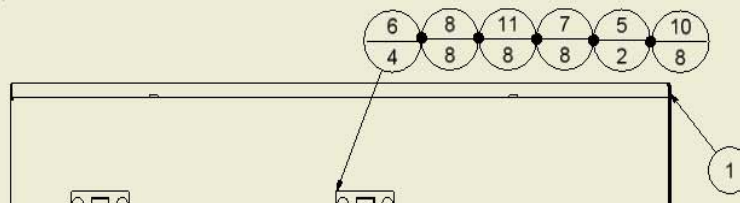
18



REF
NO.

REEL BASE

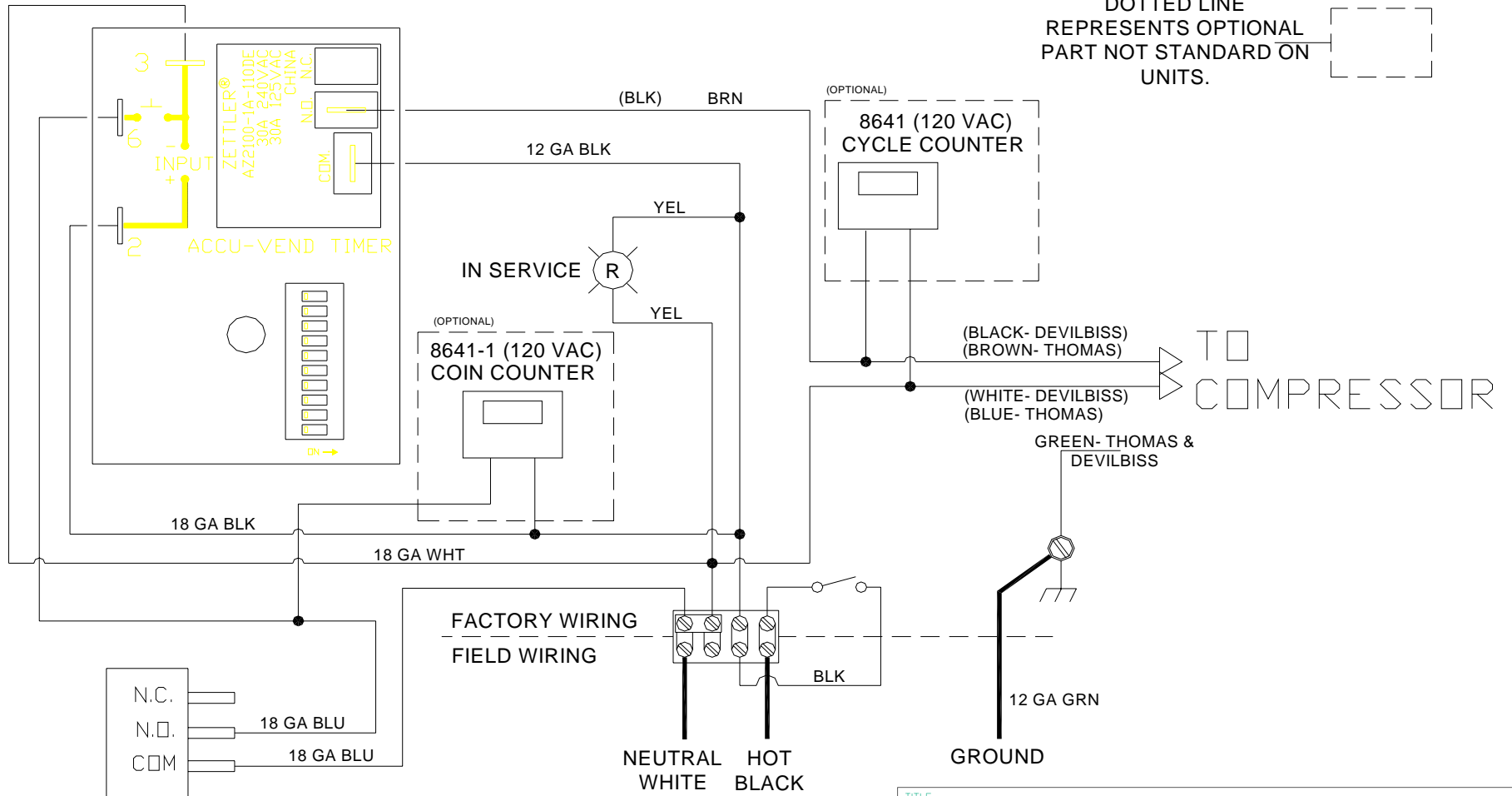
USE THIS PARTS LIST FOR THE 6024. IT IS THE SAME
MINUS ONE REEL ASSEMBLY.



BILL OF MATERIALS

ITEM	PART NUM	DESCRIPTION	QTY
1	6025-1W	REEL BASE WELDMENT	1
2	6025-2W	COVER WELDMENT	1
3	6025-6W	MOUNTING BRACKET WELDMENT	1
4	6025-8	REEL, HOSE	2
5	6027-1	RETAINER, ROLLER	2

ITEM NO.	PART NO.	DESCRIPTION	QTY.
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DOTTED LINE REPRESENTS OPTIONAL PART NOT STANDARD ON UNITS.

TERMINAL STRIP ON BACK SIDE OF TIMER PLATE IN LOCK BOX
 FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES

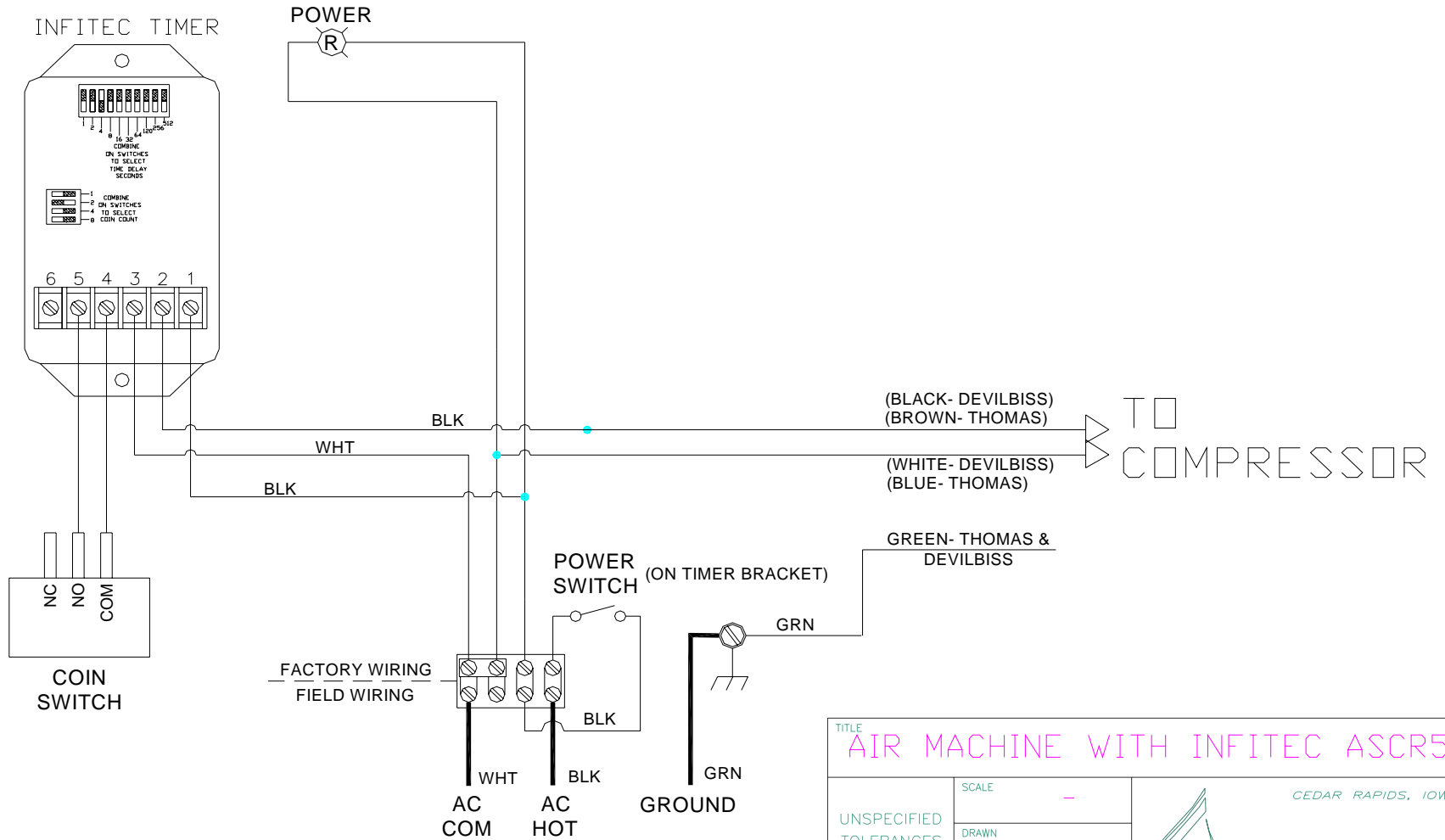
TITLE			CEDAR RAPIDS, IOWA	
UNSPECIFIED TOLERANCES	SCALE	-		
FRACT. ±1/32	DRAWN BY	-		
2 PL ±.020	DATE	-		
3 PL ±.010	REL. FOR PROD.	-		
ANGLE ±1.0°	PART NO. 8670 SERIES		REV.	-

REV	NO.	DESCRIPTION	DATE	BY
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ITEM NO.	PART NO.	DESCRIPTION	QTY.
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NOTES:

1) FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES



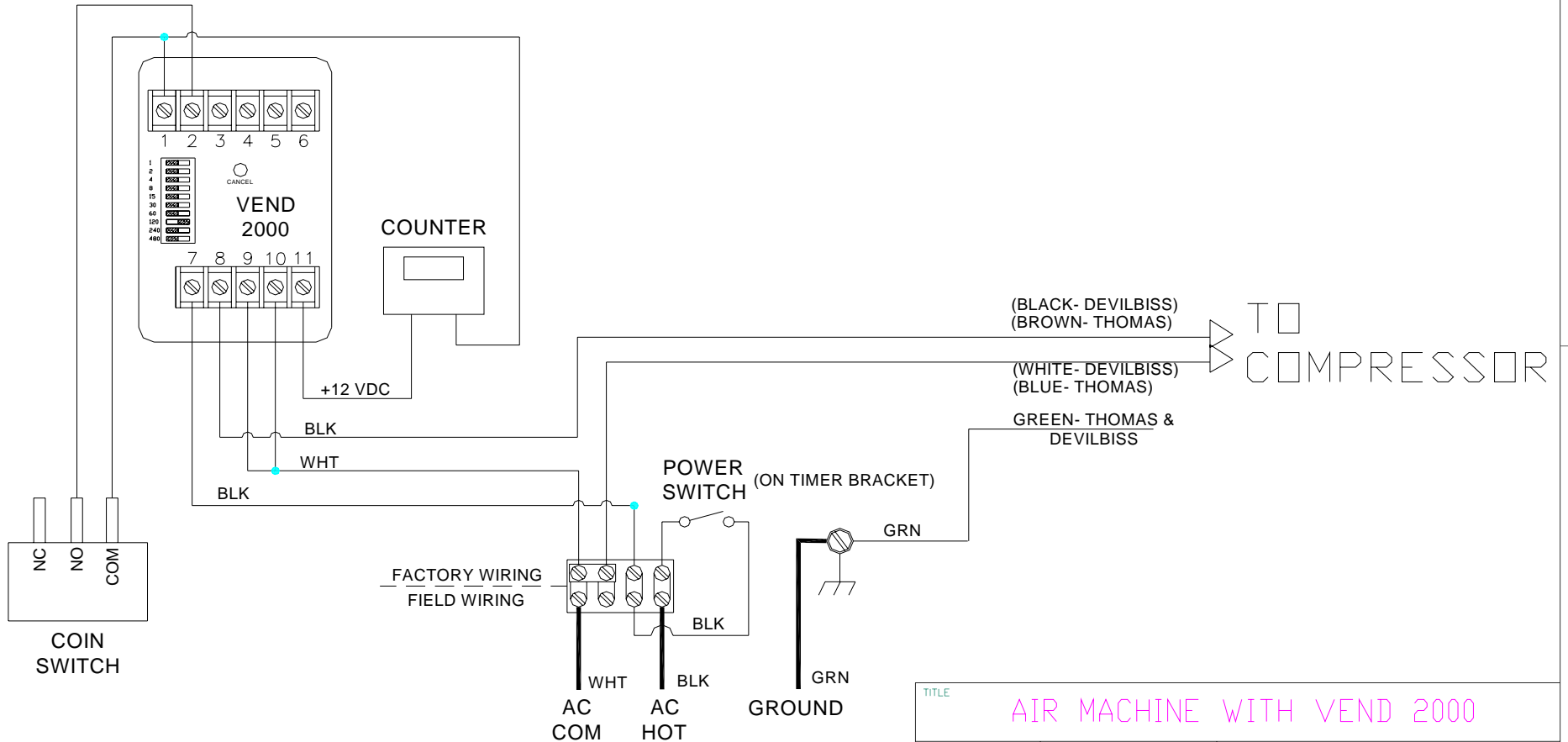
TITLE		CEDAR RAPIDS, IOWA	
AIR MACHINE WITH INFITEC ASCR54			
UNSPECIFIED TOLERANCES	SCALE -	DRAWN BY -	REL. FOR PROD. -
FRACT. ±1/32	DATE -	PART NO. 8670 SERIES	
2 PL ±.020		REV. -	
3 PL ±.010			
ANGLE ±1.0°			


REV	NO.	DESCRIPTION	DATE	BY
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ITEM NO.	PART NO.	DESCRIPTION	QTY.
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NOTES:

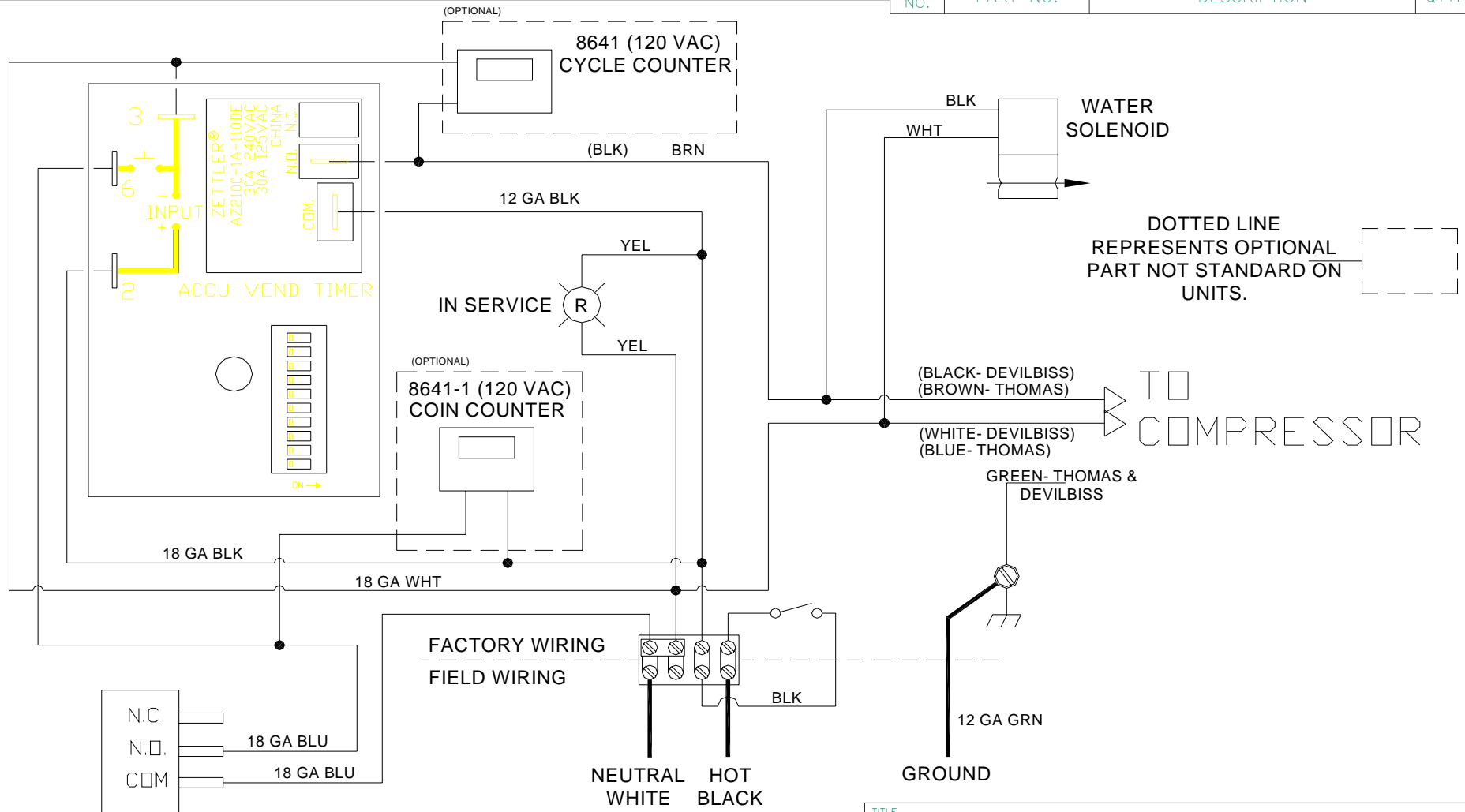
1) FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES



TITLE		CEDAR RAPIDS, IOWA	
AIR MACHINE WITH VEND 2000		SCALE	-
UNSPECIFIED TOLERANCES	DRAWN BY		
FRACT. ±1/32	DATE		
2 PL ±.020			
3 PL ±.010	REL. FOR PROD.	PART NO.	8670 SERIES
ANGLE ±1.0°		REV.	-

REV	NO.	DESCRIPTION	DATE	BY
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ITEM NO.	PART NO.	DESCRIPTION	QTY.
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TERMINAL STRIP ON BACK SIDE OF
TIMER PLATE IN LOCK BOX

FIELD WIRING MUST COMPLY
WITH LOCAL AND NATIONAL ELECTRICAL CODES

TITLE **AIR WATER MACHINE- SSAC**

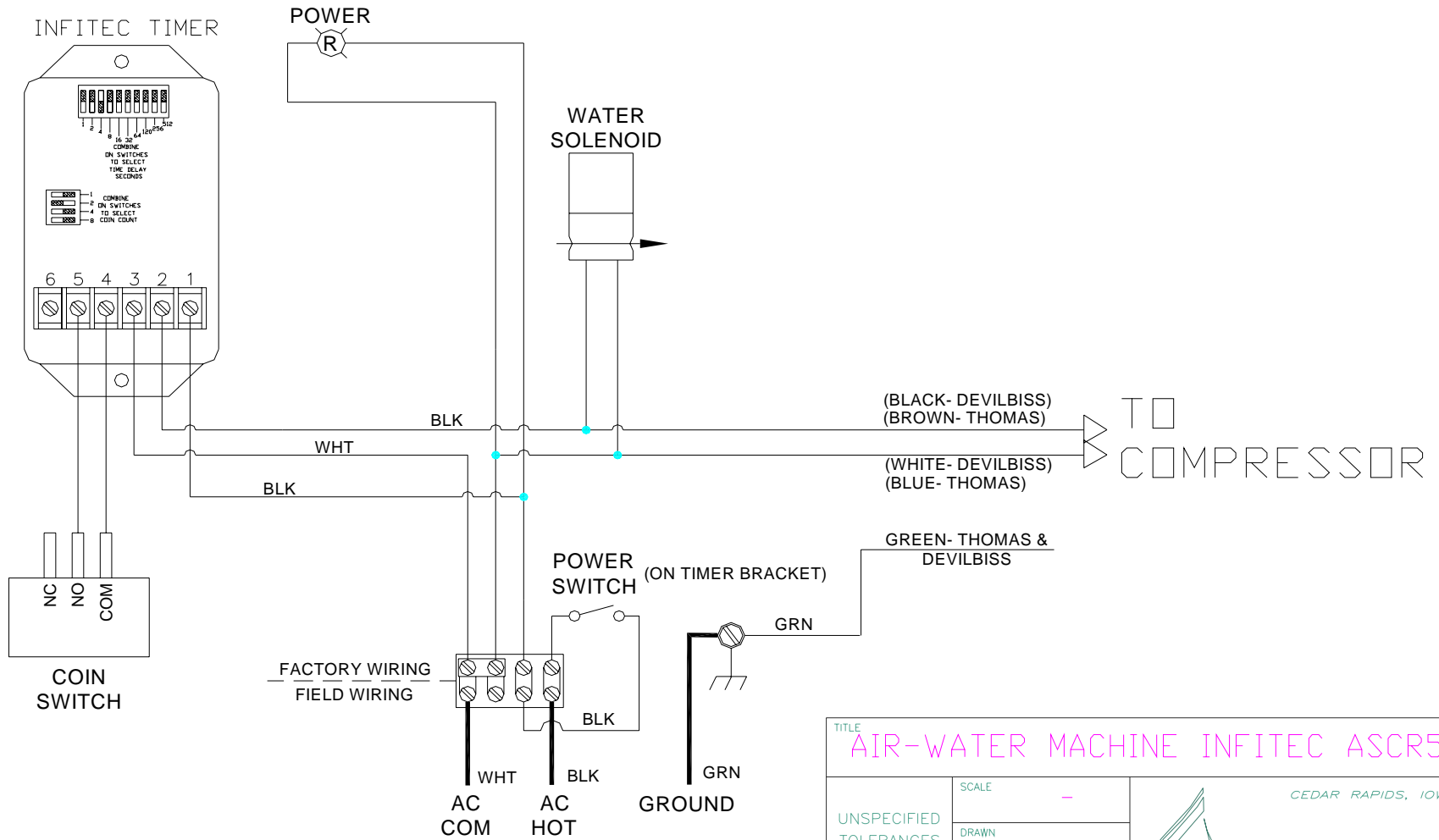
UNSPECIFIED TOLERANCES	SCALE	-	 <p>CEDAR RAPIDS, IOWA</p>
FRACT. ± 1/32	DRAWN BY	-	
2 PL ± .020	DATE	-	PART NO. 86070 SERIES
3 PL ± .010	REL. FOR PROD.	-	

REV	NO.	DESCRIPTION	DATE	BY
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ITEM NO.	PART NO.	DESCRIPTION	QTY.
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NOTES:

1) FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES



TITLE **AIR-WATER MACHINE INFITEC ASCR54**

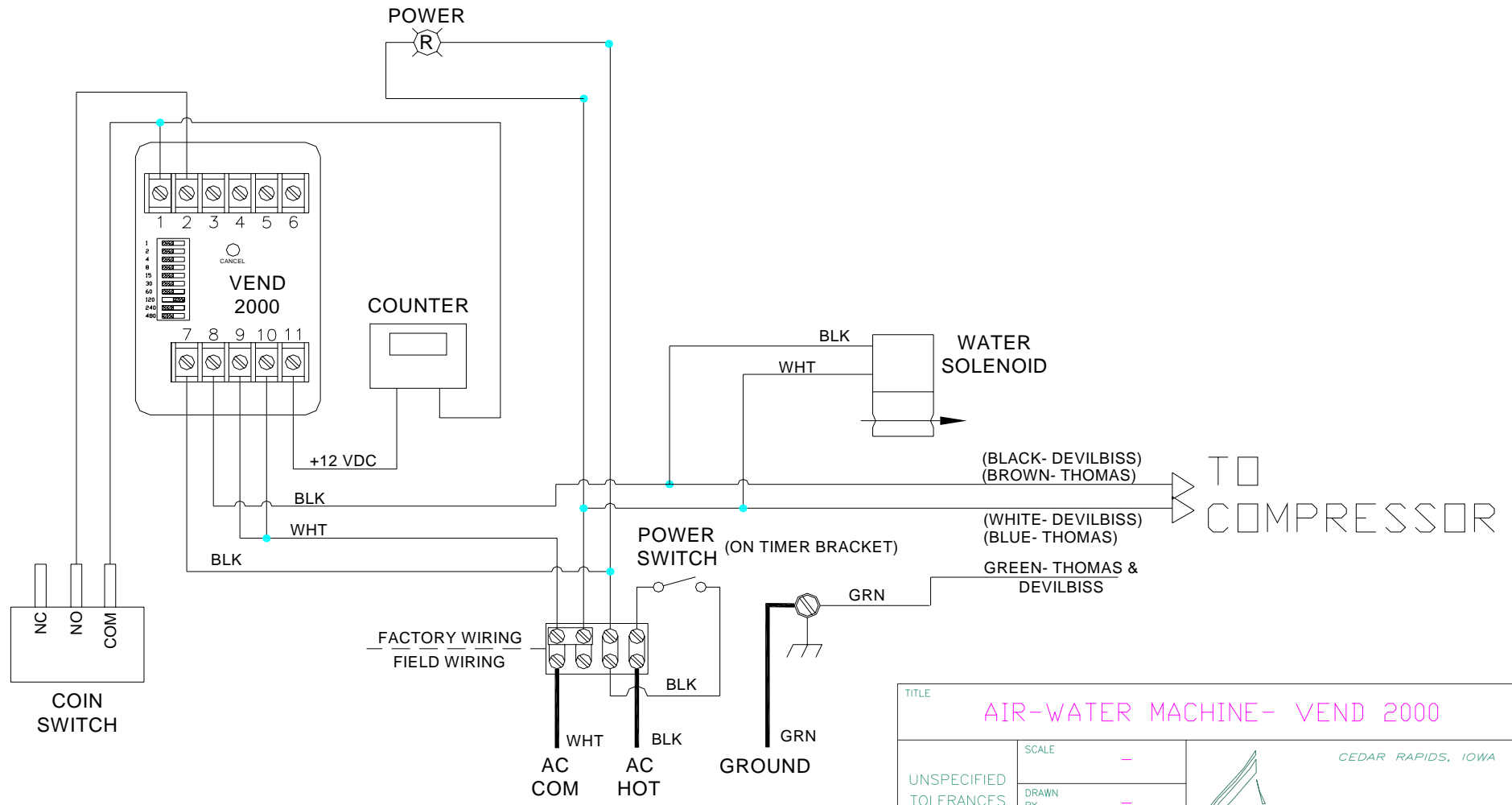
UNSPECIFIED TOLERANCES	SCALE	-	 <p>CEDAR RAPIDS, IOWA</p>
FRACT. ± 1/32	DRAWN BY	-	
2 PL ± .020	DATE	-	
3 PL ± .010	REL. FOR PROD.	-	
ANGLE ± 1.0°	PART NO.	8670 SERIES	REV.
			-


REV	NO.	DESCRIPTION	DATE	BY
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ITEM NO.	PART NO.	DESCRIPTION	QTY.
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NOTES:

1) FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES



TITLE		AIR-WATER MACHINE- VENDOR 2000	
UNSPECIFIED TOLERANCES	SCALE	-	 <p>CEDAR RAPIDS, IOWA</p>
FRACT. ± 1/32	DRAWN BY	-	
2 PL ± 0.020	DATE	-	
3 PL ± 0.010	REL. FOR PROD.	-	PART NO. 8670 SERIES
ANGLE ± 1.0°	REV.	-	

REV	NO.	DESCRIPTION	DATE	BY
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TROUBLESHOOTING INFORMATION:

STARTS BUT NO PRESSURE	SYSTEM LEAKING	CHECK AIR HOSE FOR LEAKS AND AIR CHUCK. ALSO CHECK FOR LEAKS AROUND COMPRESSOR.
	CHUCK IS CLOGGED	CHECK AIR CHUCK TO MAKE SURE NO DEBRIS IS AIR PATH. ALSO CHECK ORING AROUND AIR CHUCK, IS IT BLOCKING THE AIR PATH.
	UNLOADER	IS IT UNLOADING ALL THE TIME?
	PARTS DAMAGED OR WORN OUT.	SLEEVE IN COMPRESSOR MAY BE PITTED OR SCRATCHED UP. PISTON ORING MAY BE WORN OR DAMAGED. DEBRIS IN VALVE PLATE OPENING IS NOT ALLOWING IT TO SHUT. REPAIR KIT MAY BE NEEDED.

WARNING

Disconnect Power before Servicing

WARNING

Disconnect Power before Servicing