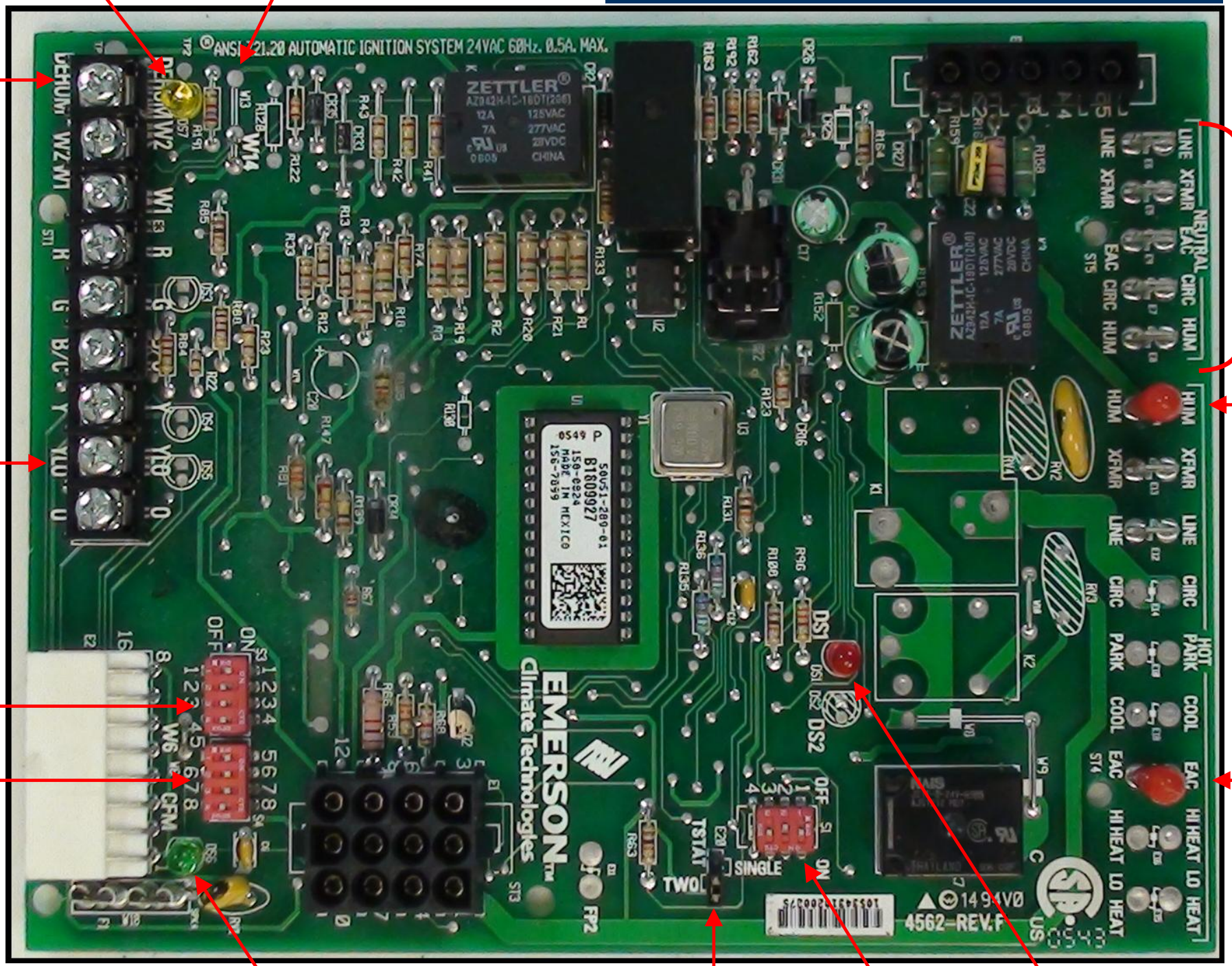
FURNACE CONTROL BOARD 2



FURNACE CONTROL BOARD _ Directions

► (AREA #1)

DIP SWITCHES #1 and #2 ————————————

Set Timing for Blower "Heat Off" delay:

Both #1 & #2 **ON** = 90 second delay
#1 *OFF* & #2 **ON** = 120 sec delay
#1 **ON** & #2 *OFF* = 150 sec delay
Both #1 & #2 *OFF* =180 sec delay

DIP SWITCH #3 ————————————————-

ON = 10 Minute Delay before High Fire
OFF = 5 Minute Delay before High Fire

► (AREA #2)

JUMPER SETTING ————————————————-

Set jumper to brackets indicated for use with T-Stat for Single Stage Heat or for use with T-Stat that has Two Stage Heat.

► (AREA #3)

Green CFM LED Indicator ————————————-

Blinks once for every 100 CFM

► (AREA #4)

DIP SWITCHES #5 and #6

BLOWER PROFILE FOR COOLING

BOTH #5 & #6 *OFF* ——— Runs at 100% for 1 minute after Outdoor unit cycles off.

#5 *OFF* / #6 **ON** ————- Runs at 50% speed for first 30 seconds on a call for cooling then finishes the Cooling Cycle at 100% speed, then continues at the 100% speed for 1 minute after the outdoor unit cycles off.

#5 **ON** / #6 *OFF* ———— Runs at 82% for the first 7.5 minutes on a call for Cooling then finish cycle at 100%, and continues at 100% for 1 minute after the outdoor unit cycles off.

BOTH #5 & #6 **ON** ———— Runs at 50% speed for ½ minute then speeds to 82% for 7 ½ minutes, then finishes the Cooling Cycle at 100% and continues at 50% for ½ minute after the outdoor unit cycles off.

DIP SWITCHES #7 and #8

		FURNACES BTUH X 1000 (Temp Rise)			
		45	**70**	**90**	**115**
#7 OFF	#8 OFF	51°	50°	50°	57°
#7 **ON**	#8 OFF	47°	46°	47°	56°
#7 OFF	#8 **ON**	43°	42°	44°	54°
#7 **ON**	#8 **ON**	40°	39°	42°	53°

Above allows roughly a 10° adjustment to each model furnace. Adjust in accordance with specific name plate requirements.

► **(AREA #5)** ***DIP SWITCHES #1 and #2***

		FURNACES BTUH X 1000 (Blower CFM)			
		45	**70**	**90**	**115**
#1 OFF	#2 OFF	1.5 Ton	1.5 Ton	2 Ton	2 Ton
#1 ON	#2 OFF	2 Ton	2 Ton	2.5 Ton (-)	2.5 Ton (-)
#1 ON	#2 OFF	—	—	3 Ton (+)	3 Ton (+)
#1 OFF	#2 ON	2.5 Ton	2.5 Ton (-)	3.5 Ton	3.5 Ton
#1 OFF	#2 ON	—	3 Ton (+)	—	—
#1 ON	#2 ON	3 Ton	3.5 Ton	4 Ton (-)	4 Ton (-)
#1 ON	#2 ON	—	4 Ton (+)	5 Ton (+)	5 Ton (+)

DIP SWITCHES #3 and #4

See above (+) and (-) Indicators :
(+) = #3 ON / #4 OFF = 10% CFM Increase
(-) = #3 OFF / #4 ON = 10% CFM Decrease
#3 & #4 >>>>> ***NEVER*** **BOTH *"ON"* AT SAME TIME !!!**

► **(AREA #7a)** DEHUM Terminal: When energized allows the blower to operate at full operational speed. When de-energized it lets blower operate at 80% of full operational speed.

► **(AREA #7b)** Energizes on a call for De-humidification and indicates that the blower is operating at a reduced CFM.)

► **(AREA #7c)** W14 Jumper must be cut to allow the above dehumidification function.

► **(AREA #9)** HUM Terminal: (provides 120 volts for Adding a Humidifier.)

► **(AREA #10)** EAC Terminal: (provides 120 volts for adding an Electronic Air Cleaner.)
(Fault Code Light) Red Fault Code Light: (Fault Codes are displayed on the door of the blower section.)

NOTES:
- **Set cooling airflow first then set heating air flow.**
- **On a call for blower only (constant fan), blower operates at 56% of full CFM setting.**
- **Dip Switch positions are only established when the furnace is powered up. Power must be OFF when positioning switches.**