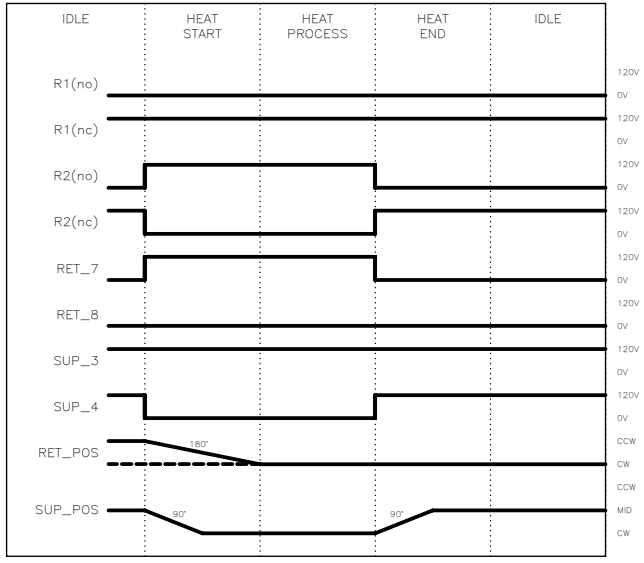
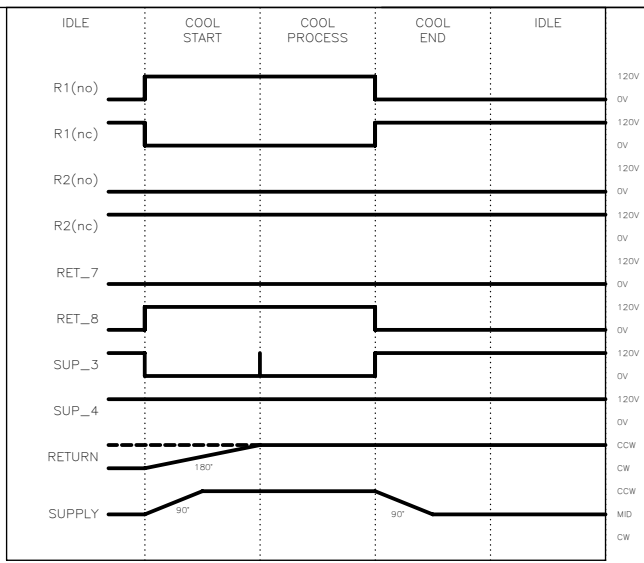


IN2	IN1	STATUS
0V	0V	MID
0V	120V	CW
120V	0V	CCW
120V	120V	MID



- NOTES:
- DIAGRAM SHOWN WITH RELAY R1 = COOL AND RELAY R2 = HEAT. FOR OPPOSITE OPERATION, CHANGE WIRING ACCORDINGLY.
  - DIAGRAM SHOWN WITH CCW = COOL AND CW = HEAT. FOR OPPOSITE FLOW DIRECTIONS, CHANGE WIRING ACCORDINGLY.
  - IF RETURN VALVE IS ALREADY IN COOL OR HEAT POSITION, IT WILL REMAIN THERE UNTIL OPPOSING OPERATION IS INITIATED
  - SUPPLY VALVE MOVEMENT TO POSITION COINCIDES WITH RETURN VALVE MOVEMENT TO POSITION.
  - SUPPLY VALVE WILL MOVE 90° TO POSITION FROM IDLE STATE. RETURN VALVE WILL MOVE 180° TO POSITION.
  - TRUTH TABLE LEGEND: (VOLTAGE), >(DELAYED VOLTAGE), [POSITION]

STATE	R1		R2		SUPPLY			RETURN		
	NO	NC	NO	NC	3	4	POS.	7	8	POS.
IDLE	0V	(120V)	0V	(120V)	(120V)	(120V)	[MID]	0V	0V	[LAST]
COOL	(120V)	0V	0V	(120V)	0V	(120V)	[CCW]	0V	(120V)	[CCW]
HEAT	0V	(120V)	(120V)	0V	(120V)	0V	[CW]	(120V)	0V	[CW]



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TOLERANCE UNLESS OTHERWISE SPECIFIED:  
TWO PLACE DECIMAL  
DIM. 40.02  
THREE PLACE DECIMAL  
DIM. 40.010  
ANGULAR DIM. 40°-30'

DRAWN BY TEM  
DATE 12/09/19

CHECKED BY KJS  
DATE 12/09/19

RELEASED BY KJS  
DATE 12/09/19

HEAT # SHEET 1 OF 1

DO NOT SCALE DRAWING

DESCRIPTION  
TANK TEMPERATURE CONTROL WIRING DIAGRAM  
WE-500XX8 SUPPLY, WE-500XXY RETURN  
120VAC / 1PH / 50-60HZ  
SIMULTANEOUS SUPPLY OPERATION

MATERIAL  
DRAWING NO. SE01667  
REVISION

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