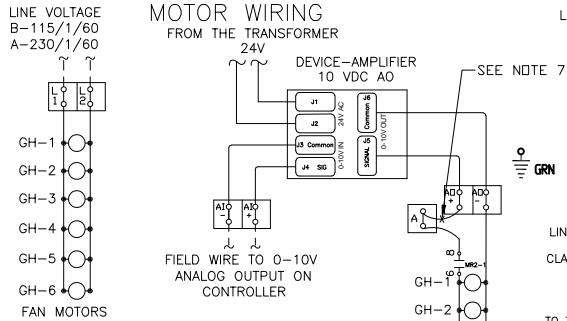


MOTOR TYPE & VOLTAGE AMP CHART

V-EC MTR	V-EC MTR
B VOLTAGE	A VOLTAGE
115/1/60	230/1/60
1/20 HP	1/20 HP
0.9 FLA	0.6 FLA

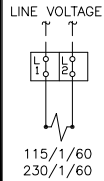
MODEL	MCA	MCA	MOP
GH-1	1.13	0.75	15
GH-2	2.03	1.35	15
GH-3	2.93	1.95	15
GH-4	3.83	2.55	15
GH-5	4.73	3.15	15
GH-6	5.63	3.75	15

MCA = FLA * 1.25 + SUM OF REMAINING FLA'S
 AIR DEFROST - V/VARIABLE SPEED



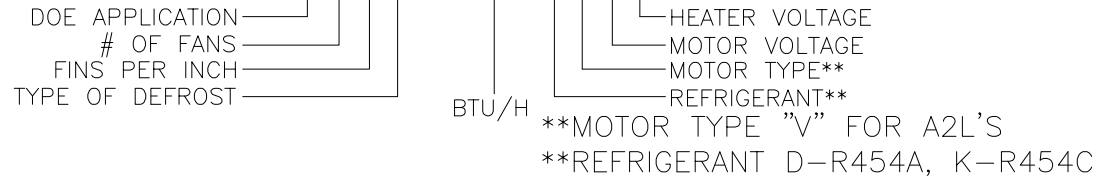
MOTOR RPM	
0V=1475RPM	10V=400RPM
CONTROL INPUT	0-10V,20mA Max/Motor

OPTIONAL MOUNTED SOLENOID

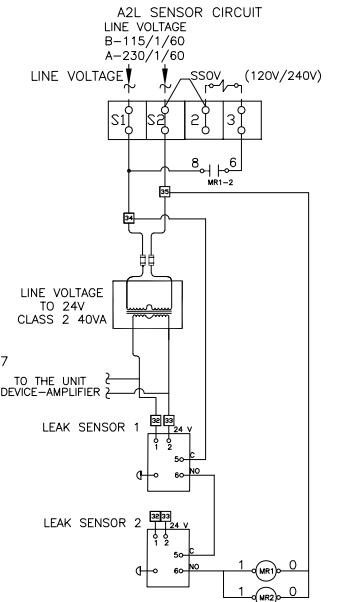
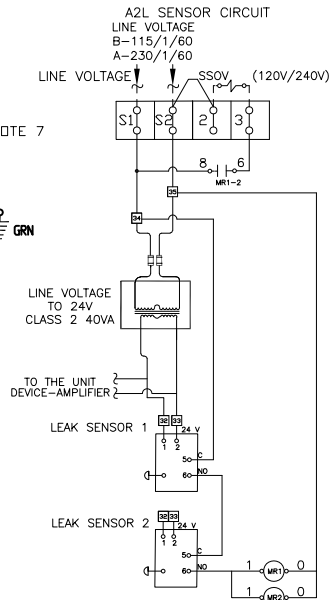
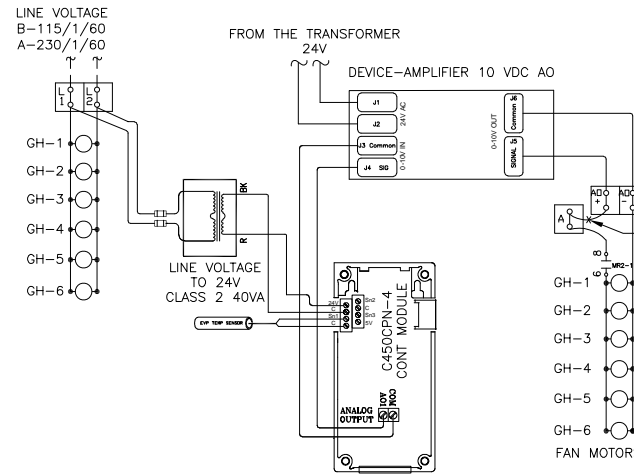


NOMENCLATURE LEGEND

GHD66D-410DVAK

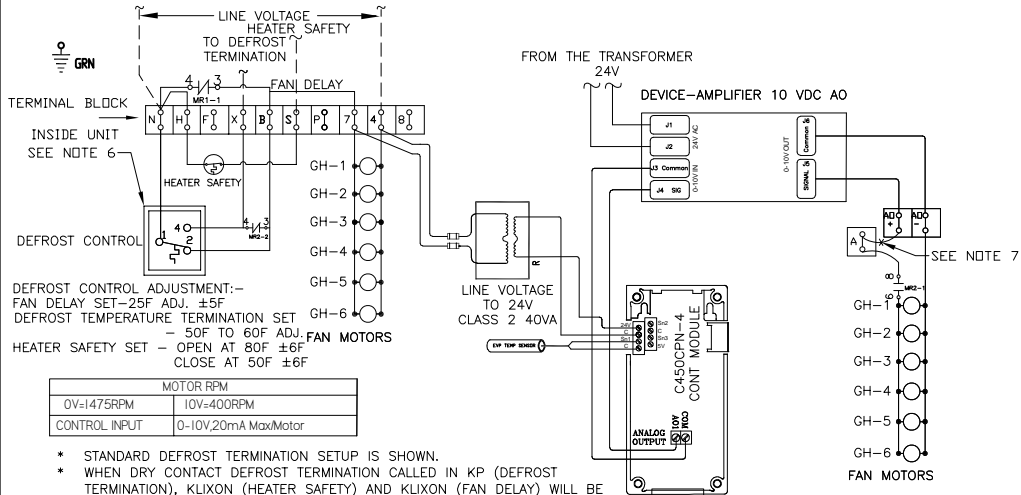


AIR DEFROST - V/VARIABLE SPEED
 MOTOR WITH SYSTEM 450 CONTROL



JOB NO.:			
CUSTOMER P.O.:			
MODEL:	GA SERIES UNIT COOLER		
ITEM NO.:	GH_DIAG		
NO. REQ'D:	DATE: 04/22/2020		
SHEET 1 OF 5	KRACK HUSSMANN CORPORATION		
TOLERANCE: ±			
	A	RELEASE OF A2L DRAWINGS.	10/14/25 MJCV
	NO.	CHANGE DESCRIPTION	DATE CK'D

ELECTRIC DEFROST – V/VARIABLE SPEED MOTOR
& DEFROST CONTROL WIRING WITH SYSTEM 450 CONTROL
STANDARD DEFROST CONTROL

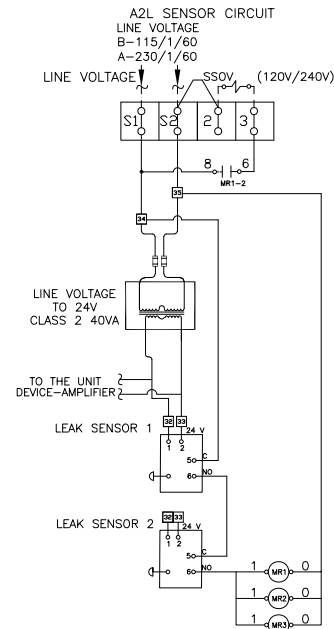


MOTOR RPM	
OV=1475RPM	10V=400RPM
CONTROL INPUT	0-10V,20mA Max/Motor

- * STANDARD DEFROST TERMINATION SETUP IS SHOWN.
- * WHEN DRY CONTACT DEFROST TERMINATION CALLED IN KP (DEFROST TERMINATION), KLIXON (HEATER SAFETY) AND KLIXON (FAN DELAY) WILL BE WIRED AS SHOWN IN PAGE 3
- * WHEN SENSOR FOR DEFROST TERMINATION CALLED IN KLIXON(FAN DELAY) WILL BE WIRED AS SHOWN IN PAGE 3

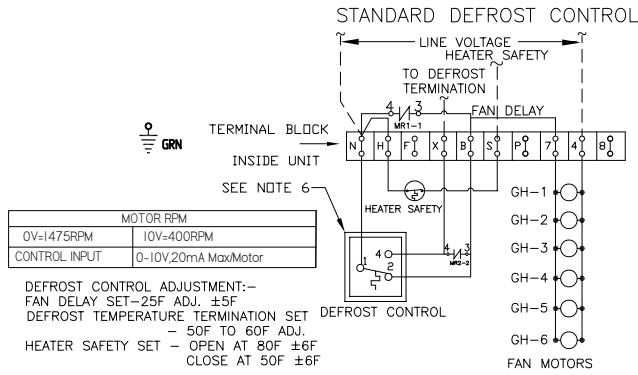
EVP COIL PARAMETER SETTING

Output Relays		Sensor Type		Sensor Assignment		Setpoint Selection		End Point Selection		Output Signal Strength at Setpoint		Output Signal Strength at End Point		Sensor Failure Mode		
Output Relays	System 450 LCD Screen display.	Relay Description	Sensor Type LCD Screen display.	Sensor Type Setting	System 450 LCD Screen display.	Sensor Name	System 450 LCD Screen display.	Temp. Setting	System 450 LCD Screen display.	Temp. Setting	System 450 LCD Screen display.	Output Signal Strength	System 450 LCD Screen display.	Output Signal Strength	System 450 LCD Screen display.	Output relay Status
Analog Output #1	OUTA ¹	Evp Motor Analog Signal	Sn-1	*F	SENS ¹	Sn-1	Sp ¹	BOX TEMP	Ep ¹	BOX TEMP - 5	Osp ¹	0%	Oep ¹	100%	SNF ¹	OFF

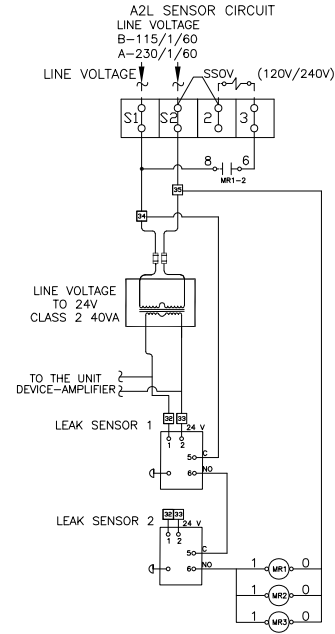
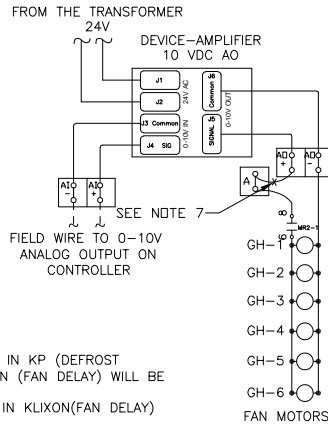


JOB NO.:	A	RELEASE OF A2L DRAWINGS.	10/14/25	MJC/V
CUSTOMER P.O.:	NO.	CHANGE DESCRIPTION	DATE	CK'D
MODEL:	GA SERIES UNIT COOLER			
ITEM NO.:	GH_DIAG			
NO. REQ'D:	SHEET 2 OF 5		DATE: 04/22/2020	
TOLERANCE:	±		KRACK HUSSMANN CORPORATION	

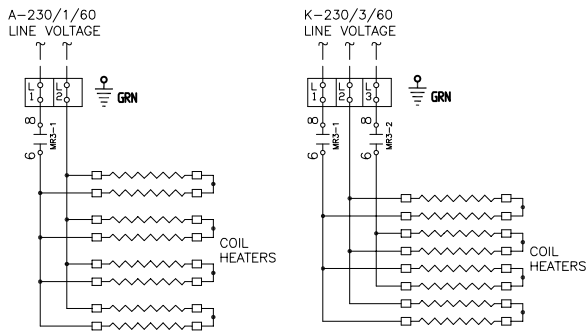
ELECTRIC DEFROST - V/VARIABLE SPEED MOTOR & DEFROST CONTROL WIRING WITH FIELD CONTROL



- * STANDARD DEFROST TERMINATION SETUP IS SHOWN.
- * WHEN DRY CONTACT DEFROST TERMINATION CALLED IN KP (DEFROST TERMINATION), KLIXON (HEATER SAFETY) AND KLIXON (FAN DELAY) WILL BE WIRED AS SHOWN IN PAGE 3
- * WHEN SENSOR FOR DEFROST TERMINATION CALLED IN KLIXON(FAN DELAY) WILL BE WIRED AS SHOWN IN PAGE 3



ELECTRIC DEFROST HEATER WIRING

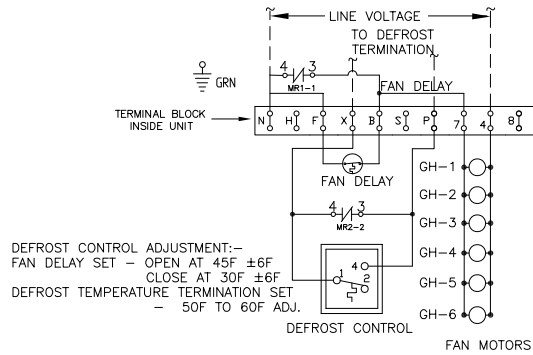


HEATER VOLTAGE AMP CHART

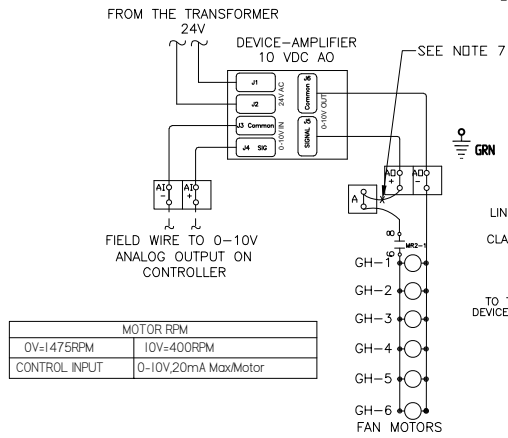
MODEL	WATTS	K VOLTAGE		MOP	
		230/1/60	230/3/60	230/1/60	230/3/60
GH-1	1600	7.0	4.6	15	15
GH-2	3200	13.9	9.2	20	15
GH-3	4800	20.9	13.8	30	20
GH-4	6400	27.8	18.4	35	25
GH-5	8000	34.8	23.0	45	30
GH-6	9600	41.7	27.6	60	35

JOB NO.:	A	RELEASE OF A2L DRAWINGS.	10/14/25	MJC/V
CUSTOMER P.O.:	NO.	CHANGE DESCRIPTION	DATE	CK'D
MODEL:	GA SERIES UNIT COOLER			
ITEM NO.:	GH_DIAG			
NO. REQ'D:	DATE: 04/22/2020			
SHEET 3 OF 5	KRACK HUSSMANN CORPORATION			
TOLERANCE: ±				

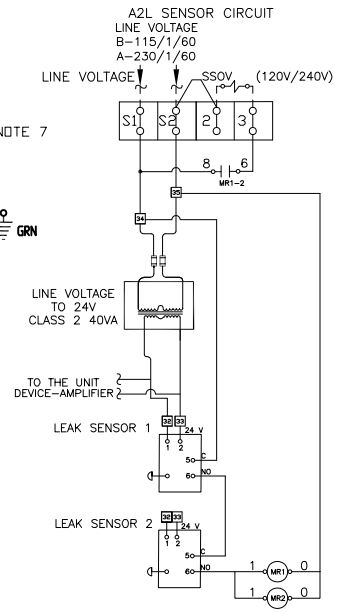
F & M DEFROST CONTROL WIRING – GAS DEFROST WITH NO DRAIN PAN HEATER



DEFROST CONTROL ADJUSTMENT:-
 FAN DELAY SET - OPEN AT 45F ±6F
 CLOSE AT 30F ±6F
 DEFROST TEMPERATURE TERMINATION SET
 - 50F TO 60F ADJ.



MOTOR RPM	
0V=1475RPM	10V=400RPM
CONTROL INPUT	0-10V,20mA Max/Motor

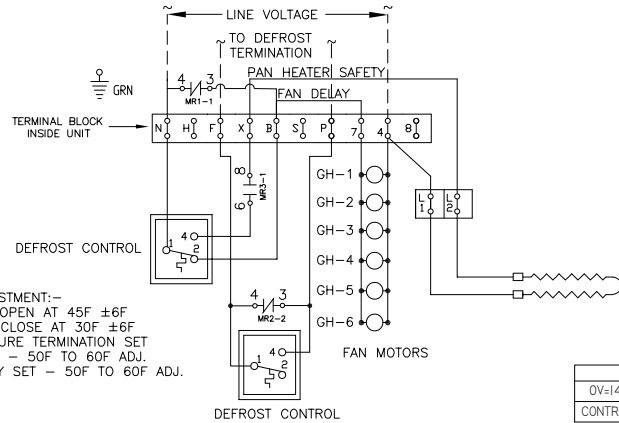


NOTES::

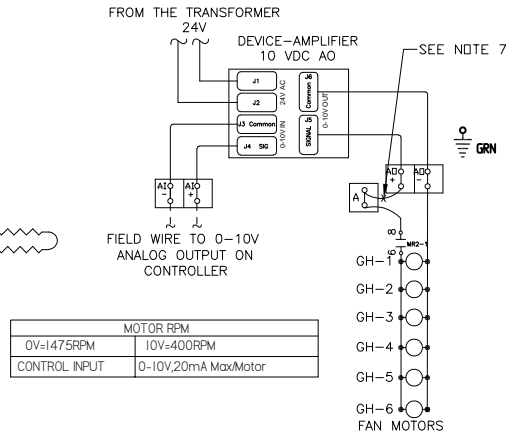
- MOTORS IN COLD ROOMS MAY DRAW GREATER THAN NAMEPLATE AMPERAGE DUE TO HIGHER DENSITY OF COLD AIR.
- MOTORS HAVE AUTOMATIC RESET THERMAL OVERLOAD PROTECTION AND PRIMARY SINGLE PHASE PROTECTION.
- FIELD WIRING
 _____ FACTORY WIRING
- OPTIONAL FACTORY MOUNTED THERMOSTAT FOR 2 SPEED APPLICATION
- TERMINAL TO BE CONNECTED FOR 2 SPEED APPLICATION ONLY WHEN CONTROLLED BY FIELD CONTROLLER
- ALL DOE UNIT COME WITH KP DEFROST CONTROL MODULE
- WHEN USING THE COIL WITH SINGLE COMPRESSOR UNIT, REMOVE THE JUMPER AND WIRE FROM COMPRESSOR AUX CONTACT FROM CONDENSING UNIT

JOB NO.:	A	RELEASE OF A2L DRAWINGS.	10/14/25	MJCV
CUSTOMER P.O.:	NO.	CHANGE DESCRIPTION	DATE	CK'D
MODEL:	GA SERIES UNIT COOLER			
ITEM NO.:	GH_DIAG			
NO. REQ'D:	DATE: 04/22/2020			
SHEET 4 OF 5	KRACK HUSSMANN CORPORATION			
TOLERANCE: ±				

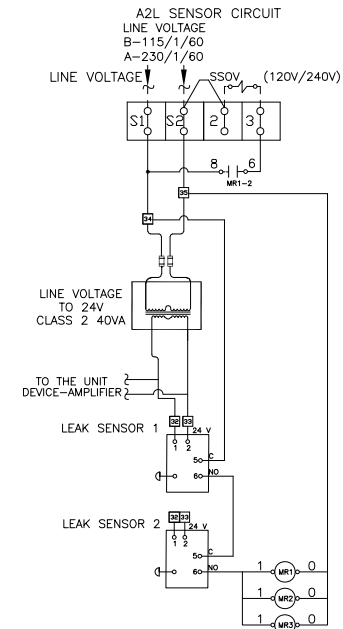
H & P DEFROST CONTROL WIRING – GAS DEFROST WITH ELECTRIC DRAIN PAN HEATER



DEFROST CONTROL ADJUSTMENT:-
 FAN DELAY SET - OPEN AT 45F ±6F
 CLOSE AT 30F ±6F
 DEFROST TEMPERATURE TERMINATION SET
 - 50F TO 60F ADJ.
 PAN HEATER SAFETY SET - 50F TO 60F ADJ.



MOTOR RPM	
0V=1475RPM	10V=400RPM
CONTROL INPUT	0-10V,20mA Max/Motor



HEATER VOLTAGE AMP CHART

MODEL	WATTS	A VOLTAGE	B VOLTAGE	MOP	
		230/1/60	115/1/60	230/1/60	115/1/60
GH-1	400	1.7	3.5	15	15
GH-2	600	2.6	5.2	15	15
GH-3	800	3.5	7.0	15	15
GH-4	1000	4.3	8.7	15	15
GH-5	1200	5.2	10.4	15	15
GH-6	1400	6.1	12.2	15	20

NOTES::

- MOTORS IN COLD ROOMS MAY DRAW GREATER THAN NAMEPLATE AMPERAGE DUE TO HIGHER DENSITY OF COLD AIR.
- MOTORS HAVE AUTOMATIC RESET THERMAL OVERLOAD PROTECTION AND PRIMARY SINGLE PHASE PROTECTION.
- — — FIELD WIRING
 ——— FACTORY WIRING
- OPTIONAL FACTORY MOUNTED THERMOSTAT FOR 2 SPEED APPLICATION
- TERMINAL TO BE CONNECTED FOR 2 SPEED APPLICATION ONLY WHEN CONTROLLED BY FIELD CONTROLLER
- ALL DOE UNIT COME WITH KP DEFROST CONTROL MODULE
- WHEN USING THE COIL WITH SINGLE COMPRESSOR UNIT, REMOVE THE JUMPER AND WIRE FROM COMPRESSOR AUX CONTACT FROM CONDENSING UNIT

JOB NO.:	A	RELEASE OF A2L DRAWINGS.	10/14/25	MJCV
CUSTOMER P.O.:	NO.	CHANGE DESCRIPTION	DATE	CK'D
MODEL:	GA SERIES UNIT COOLER			
ITEM NO.:	GH_DIAG			
NO. REQ'D:	SHEET 5 OF 5		DATE: 04/22/2020	
TOLERANCE:	±		KRACK HUSSMANN CORPORATION	