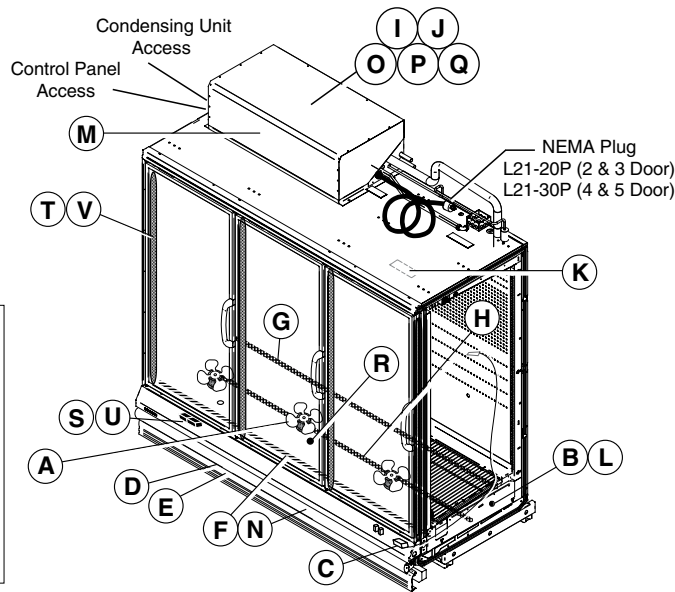


DOE 2012
Energy Efficiency
Compliant

Warning:
Terminal block **NOT** for
case-to-case
wire connection!

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.



ItemPart #	Description	Wiring Item #	ItemPart #	Description	Wiring Item #
FAN ASSEMBLIES, AND THERMOSTATS			CONTROL PANEL		
A.	12W Standard Energy Efficient Fan Assembly	(1)	I.	0709307 High Pressure Control	(9)
	0477655 Fan Motor, Evaporator		J.	0404829001 Low Pressure Control	(10)
	0461805 Fan Blade		K.	0516544 Safe-NET® Control	(11)
B.	0344662 Defrost Limit Thermostat	(2)	L.	0421192 Safe-NET® Sensor	(12)
C.	0461814 Relay Control Thermostat or Fan and Anti-sweat Heater Thermostat	(3)	M.	1H44071001 Safe-NET Power Supply	(13)
RELAYS			REFRIGERATION		
D.	0342598 Anti-Sweat Heater Control Relay (120V)	(4)	N.	0516897 Condensate Pump	(14)
E.	0342599 Fan Control Relay (208V)	(5)	O.	Compressor — 208V	(15)
HEATERS				0707742 2 Door Models	
F.	Electric Defrost Heaters – Front (208V)	(6)		0707745 3 Door Models	
	0441755 (1) 2 Door Models			0707751 4 Door Models	
	0441756 (1) 3 Door Models			0707754 5 Door Models	
	0441757 (1) 4 Door Models		P.	0331344 Sight Glass	
	0441758 (1) 5 Door Models		Q.	0111482 Drier	
G.	Electric Defrost Heaters — Rear (208V)	(7)	R.	0460992 TEV 2 Door Models	
	0463891 (1) 2 Door Models			0460993000 TEV 3-4-5 Door Models	
	0463892 (1) 3 Door Models		LAMPS, BALLASTS, LED FIXTURES AND POWER SUPPLY		
	0463893 (1) 4 Door Models		S.	0489698 2 Lamp Ballast	
	0463894 (1) 5 Door Models			0489699 3 Lamp Ballast	
H.	Drain Pan Heater — Electric (120V)	(8)		0424649 Export Ballast	
	0387036 (1) 2 Door Models		T.	Standard Fluorescent Lamp	
	0387037 (1) 3 Door Models			<i>Replace with like fixtures</i>	
	0387038 (1) 4 Door Models		U.	0499399 LED Power Supply	
	0387039 (1) 5 Door Models		V.	LED Fixture <i>Replace with like fixtures</i>	

For LED lighting parts contact your Hussmann service representative at 1-800-922-1919. Please have your model and serial number available. Descriptions including size and color are at WWW.HUSSMANN.COM/SERVICEANDPARTS.

Refer to INNOVATOR REACH-IN GLASS DOOR INSTALLATION AND SERVICE manual, P/N 0425683, for Innovator, Innovator II and Innovator III door and frame replacement parts.

Data sheet-Reach-in RLSCP

NOTE: Revision C adds NOTE on page 3. Other changes marked by bar, underline or circle.

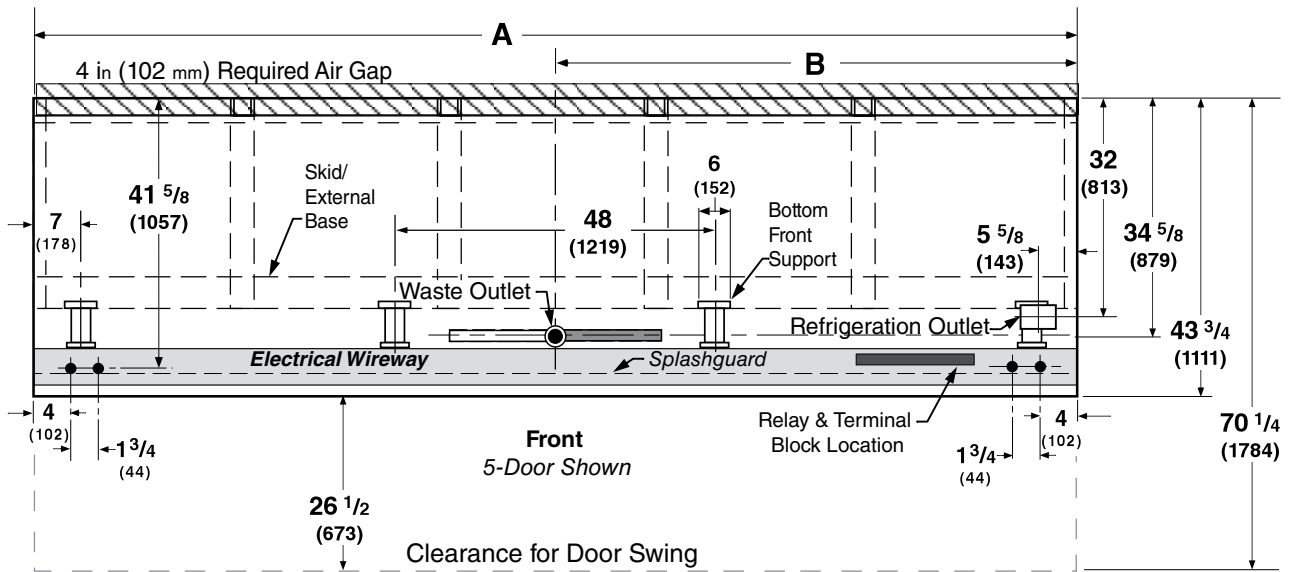
Engineering Plan Views

Reach-In
2, 3, 4 & 5 Door

RLSCP
Plan View
09-2010

PHYSICAL DATA	
Merchandiser Drip Pipe (in.)	1 1/4
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	7/8

Dimensions shown as in. & (mm).



	2 Dr	3 Dr	4 Dr	5 Dr
General				
(A) Case Length (without ends or partitions)	62 (1575)	92 1/2 (2350)	122 7/8 (3121)	153 3/8 (3896)
**NOTE: Each solid end adds approximately 2 3/8 in (60 mm) to length of line up; each partition add approximately 2 3/4 in (70 mm); case to case joints can add approximately 1/8 in (3 mm) for gasket material.				
Maximum O/S dimension of case back to front (Includes bumper. Add 26 1/2 in. (673 mm) for door swing.)	43 3/4 (1111)	43 3/4 (1111)	43 3/4 (1111)	43 3/4 (1111)
Allow an additional 4-in. when RLSCP is located along wall to allow SCP cover to open.				
Back of case to rear of splashguard	39 7/8 (1013)	39 7/8 (1013)	39 7/8 (1013)	39 7/8 (1013)
Width of Skidrail	3 3/4 (95)	3 3/4 (95)	3 3/4 (95)	3 3/4 (95)
Width of Bottom Front Support	6 (152)	6 (152)	6 (152)	6 (152)
Electrical Service				
RH end of case to the center of nearest knockout	4 (102)	4 (102)	4 (102)	4 (102)
RH end of case to the center of LH knockout	58 (1473)	88 1/2 (2248)	118 7/8 (3019)	149 3/8 (3794)
Back O/S of case to center of knockout	41 5/8 (1058)	41 5/8 (1058)	41 5/8 (1058)	41 5/8 (1058)
* NOTE: Electrical Field Wiring Connection Point is at terminal.				
Waste Outlet				
(B) Right end of case to center of waste outlet	23 7/8 (606)	54 1/4 (1378)	46 1/4 (1175)	76 5/8 (1946)
Back O/S of case to center of waste outlet	34 5/8 (879)	34 5/8 (879)	34 5/8 (879)	34 5/8 (879)
Water Seal				
Edge of water seal to center of waste outlet	13 (330)	13 (330)	13 (330)	13 (330)
Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)
** NOTE: Field installed water seal outlets, tees, and connectors are shipped with case				
Pump Outlet Tube (20 ft [6096 mm] length)	3/8 ID (9.5)	3/8 ID (9.5)	3/8 ID (9.5)	3/8 ID (9.5)
Plug: NEMA				

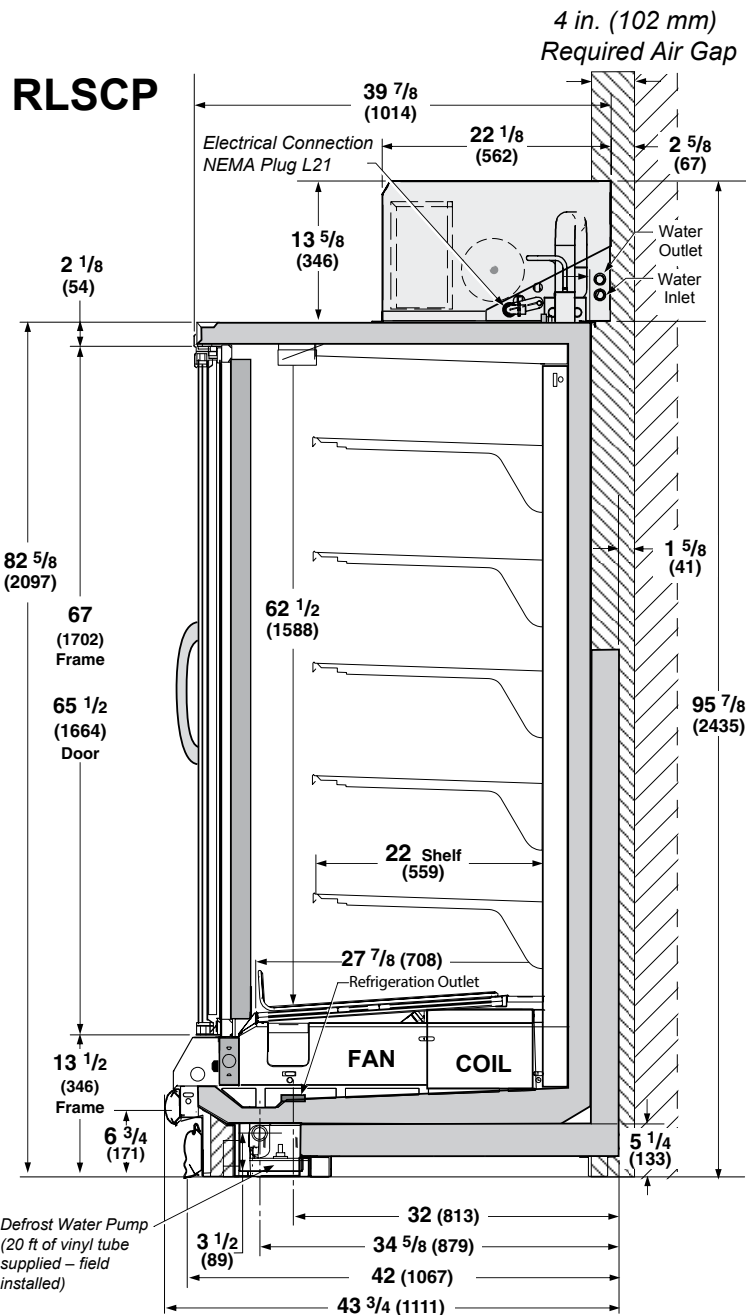
Reach-in with Single Compressor Protocol 2, 3, 4 and 5 Door Models

DOE 2012
Energy Efficiency
Compliant

Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2012 energy efficiency standards.

Allow an additional 4-in. (8-in. total) when RLSCP is located along wall to allow SCP cover to open.

Dimensions shown as in. & (mm).



RLSCP

With Innovator Doors or Innovator III Doors
Low Temperature

REFRIGERATION DATA

Note: This data is based on store temperature and humidity that does not exceed 75°F and 55% R.H.

	FF	IC
Discharge Air Set point(°F)	-5	-12
Differential	4	4

DEFROST DATA

ALL	FF	IC
Frequency (hr)	24	24
Defrost Water (lb/Dr/day)	1.2	1.2

(± 15% based on case configuration and product loading.)

ELECTRIC	FF	IC
Temp Term (°F)	48°	48°
Failsafe (minutes)	45	45

GAS	Not Available	
OFFTIME	Not Recommended	

CONVENTIONAL CONTROLS

	Cut In	Cut Out
HPC (psig)	320	395
LPC (psig)	15	5
Refrigerant Charge (R-404A)	8 lb	

	Water Flow Rate (GPM)	Water DP (PSI) (Maximum)
2Dr	1.30	5.0
3Dr	1.64	5.0
4Dr	2.55	5.0
5Dr	2.55	5.0

NSF Certification

This merchandiser model is manufactured to meet NSF/ANSI (National Sanitation Foundation) Standard #7 requirements for construction, materials & cleanability.

RLSCP

With Innovator Doors or Innovator III Doors
Low Temperature

**Hussmann recommends against frame heater cycling
with Innovator doors or Innovator III doors to prevent
door seals from freezing to the frames and tearing.**

Electrical Data

Number of Fans—12W	2				3				4				5			
	Amperes				Watts											
Merchandiser	2Dr	3Dr	4Dr	5Dr	2Dr	3Dr	4Dr	5Dr	2Dr	3Dr	4Dr	5Dr				
Energy Efficient Evaporator Fan																
120V 50/60Hz Innovator	0.60	0.90	1.20	1.50	36	54	72	90								
120V 50/60Hz Innovator III	0.60	0.90	1.20	1.50	36	54	72	90								
Door Anti-sweat Heaters (on fan circuit)																
120V 50/60Hz Innovator	1.50	2.30	3.00	3.80	182	273	364	455								
120V 50/60Hz Innovator III	0.90	1.30	1.70	2.20	104	156	208	260								
Frame Anti-sweat Heaters (on fan circuit)																
120V 50/60Hz Innovator	0.78	1.18	1.57	1.97	94	141	188	236								
120V 50/60Hz Innovator III	0.78	1.18	1.57	1.97	94	141	188	236								
Amp Rating at Plug 208V 3Ph 60 Hz	6.7	10.0	13.8	16.8												
Condensate Pump 120V	1.9	1.9	1.9	1.9												
Defrost																
Drain Heaters (120V)	0.63	1.25	2.00	2.57	75	150	240	300								
208V Electric Defrost	6.72	10.08	13.46	16.82	1400	2100	2800	3500								
Standard Vertical LED Lighting 4100K*																
	2Dr	3Dr	4Dr	5Dr	2Dr	3Dr	4Dr	5Dr								
Hussmann EcoShine II™ [22 W] (120V)	0.36	0.54	0.72	0.90	43	65	86	108								
Hussmann EcoShine II™ [22 W] (220V Export)	0.20	0.29	0.39	0.49	43	65	86	108								
Optional* Vertical LED Lighting																
Hussmann EcoShine II Plus [24 W] (120V)	0.36	0.52	0.68	0.84	43	62	81	100								
Hussmann EcoShine II Plus [24 W] (220V) Export	0.18	0.26	0.34	0.42	43	62	81	100								
GE Illumination (120V)	0.30	0.45	0.60	0.75	36	54	72	90								
GE Illumination (220V Export)	0.16	0.25	0.33	0.41	36	54	72	90								

*ONLY LIGHTING CONFIGURATIONS THAT ARE COMPLIANT WITH THE U.S. DEPT OF ENERGY (DOE) 2012 REGULATION ARE AVAILABLE FOR SALE FOR USE IN THE U.S.A.

Product Data

Recommended Usable Cube ¹ (Cu Ft/Dr)	23.46 ft ³ /Dr (0.66 m ³ /Dr)
AHRI Total Display Area ² (Sq Ft/Dr)	13.31 ft ² /Dr (1.24 m ² /Dr)
Shelf Area ³ (Sq Ft/Dr)	29.32 ft ² /Dr (2.72 m ² /Dr)

¹ AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume/Unit of Length, ft³/ft [m³/m]

² Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²]/Unit of Length, ft [m]

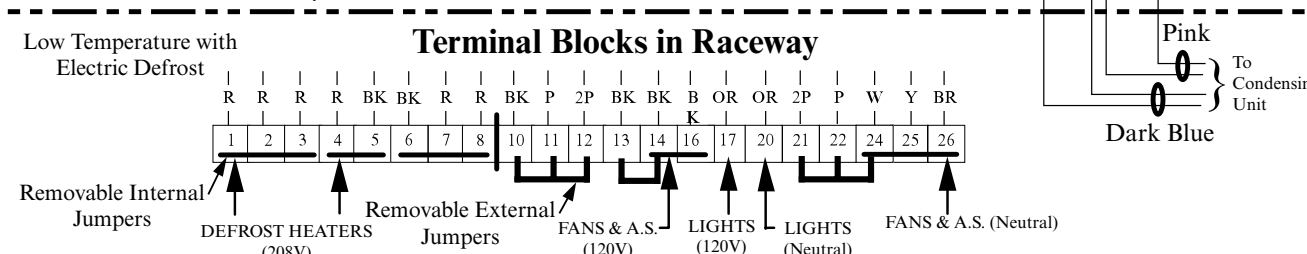
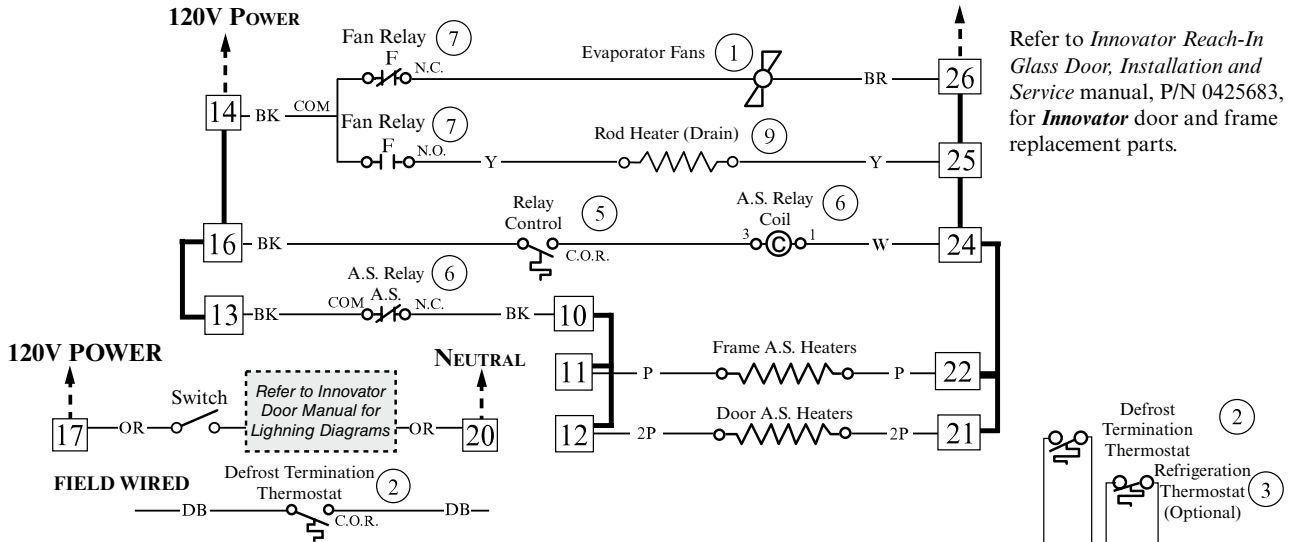
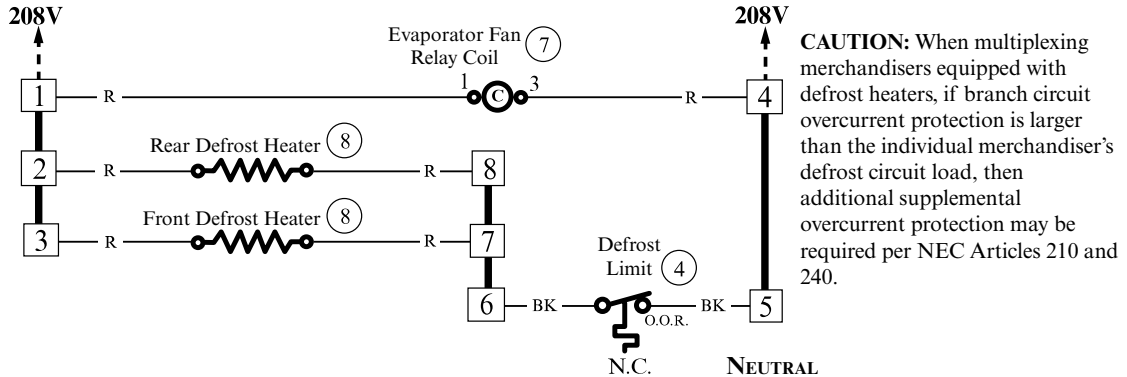
³ Shelf surface area is composed of bottom deck plus standard shelf complement, as shown in the Hussmann **Product Reference Guide**. The standard shelf complement for this model is (5) rows of 22-inch shelves.

ESTIMATED SHIPPING WEIGHT ⁴					
Case	2 Dr	3 Dr	4 Dr	5 Dr	Solid End (each)
lb (kg)	1297 (588)	1595 (723)	1895 (859)	2174 (986)	55 (25)

⁴ Actual weights will vary according to optional kits included.

Fan and Heater Cicuits - Electric Defrost (standard) Low Temperature

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS
 R = Red P = Purple 2P = Purple (2 Bands) DB = Dark Blue BK = Black
 LB = Light Blue BR = Brown Y = Yellow OR = Orange W = White
THESE ARE MARKER COLORS (WIRE MAY VARY.)



Electric Defrost Sequence - Low Temperature

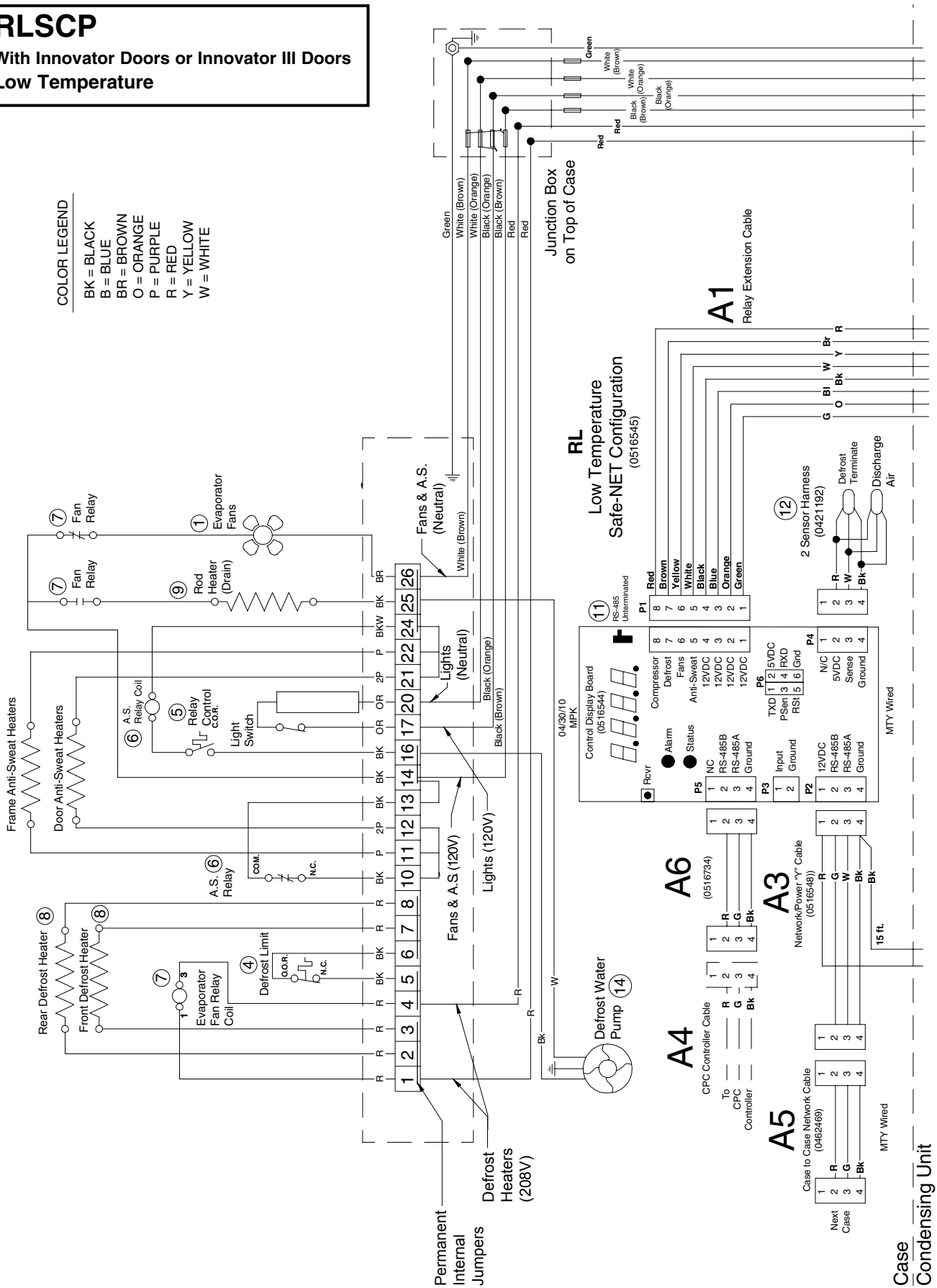
1. Power from the defrost contactor energizes Defrost Heaters and 208V Evaporator Fan Relay Coil (7). Relay Contacts open the fan circuit and energizes the Drain Pan Heater.
2. If the Defrost Heater raises internal air temperature above 90°F, the Defrost Limit Thermostat (4) will open.
3. Temperature rise of the evaporator closes the Relay Control Thermostat (5) at about 35°F, energizing 120V A.S. Relay Coil (6). This relay's contacts open the Frame and Door Heater Circuits.
4. When Defrost Termination Thermostat ends defrost period, the defrost contactor opens the Defrost Heater and Evaporator Fan Relay Coil Circuits. The Drain Pan Heater goes off and fans are on.
5. Temperature fall of the evaporator opens the Relay Control Thermostat (5) at about 20°F, de-energizing 120V A.S. Relay Coil (6). A.S. Relay Contacts close the Frame and Door Heater Circuits.

RLSCP

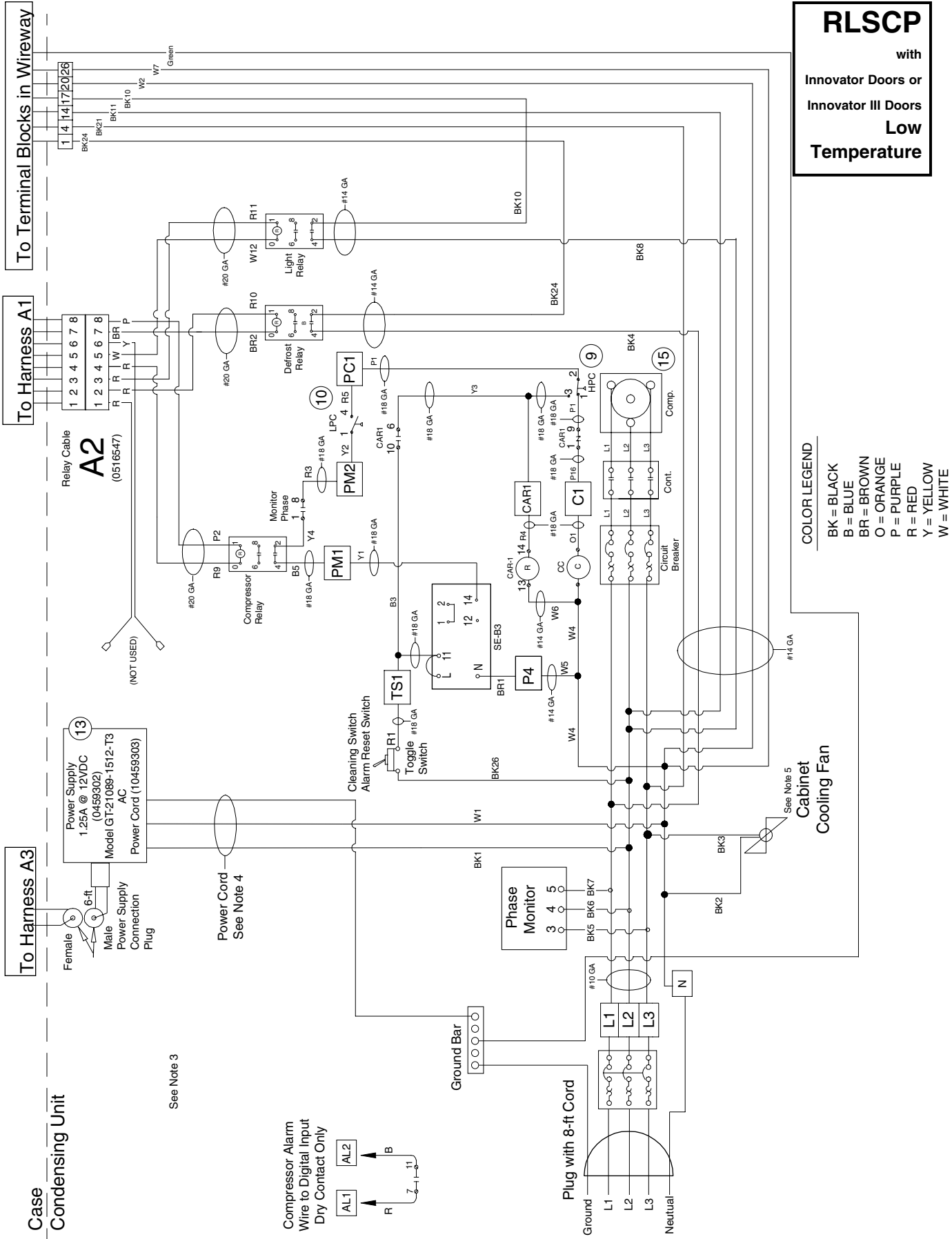
With Innovator Doors or Innovator III Doors
Low Temperature

COLOR LEGEND

- BK = BLACK
- B = BLUE
- BR = BROWN
- O = ORANGE
- P = PURPLE
- R = RED
- Y = YELLOW
- W = WHITE



RLSCP Wiring Diagram — Merchandiser



RLSCP
with
Innovator Doors or
Innovator III Doors
**Low
Temperature**

COLOR LEGEND
BK = BLACK
B = BLUE
BR = BROWN
O = ORANGE
P = PURPLE
R = RED
Y = YELLOW
W = WHITE

RLSCP Wiring Diagram — Condensing Unit