



Features and Benefits

The Paragon® 9045-00 and 9145-00 Universal Defrost Timers are the only multi-voltage defrost timers engineered to refrigeration standards. At four defrosts per day, the Paragon Universal Defrost Timer switches last 16 years longer than competitive offerings.

- Real-time clock
- Initiate 15 minute manual defrost
- System status indicators
- Lighted display
- 100 hours of power loss protection for both time and defrost schedule
- Mechanism-only versions designed to fit in the standard Paragon enclosures
- Certified to UL873 Standard for Temperature-Indicating and Regulating Equipment, as Refrigeration Controllers
- Wires directly to 120V AC, 208V AC or 230V AC power sources without jumpers or switches
- Easy programming, easy set-up, set time, set defrost start and defrost end
- Display shows defrost start time and duration



9145 / 9045
Series

UNIVERSAL
DEFROST
TIMERS

Ordering Information

9145-00	Time Initiate/Temperature, Pressure Terminate Defrost Timer with Metal Enclosure
9145-00M	Time Initiate/Temperature, Pressure Terminate Defrost Timer – Mechanism Only
9045-00	Time Initiate/Time Terminate Defrost Timer with Metal Enclosure
9045-00M	Time Initiate/Time Terminate Defrost Timer – Mechanism Only

9145 Terminal Data*

Terminal	A	B	C	D	E	F	G
Relay Contact	SPDT NC Contact	SPDT NO Contact	SPDT COMM Contact	SPST NO Contact	SPST COMM Contact	L2/N Power in to timer	Defrost Termination Device Input L2/N side
Relay Rating	15A resistive @ 120 VAC to 240 VAC 1/4HP @ 120 VAC; 1/2HP @ 208 VAC to 240 VAC	30A resistive @ 120 VAC to 240 VAC 1HP @ 120 VAC; 2HP @ 208 VAC to 240 VAC			30A resistive @ 120 VAC to 240 VAC 1HP @ 120 VAC; 2HP @ 208 VAC to 240 VAC		
Device Connections	Fan (Typical) Compressor (Optional)	Defrost Device (Typical)	L1 Power to timer and to Defrost Termination Device		Compressor (Typical) Fan (Optional)		Defrost Termination Switch

* 9145 is a general purpose defrost timer and can be used for both Time Initiate/Time Terminate and Time Initiate/Temperature, Pressure Terminate

9045 Terminal Data*

							No
Relay Contact	SPST #1 NC Contact	SPST #1 COMM Contact	L1 Power in to timer	SPST #2 NO Contact	SPST #2 COMM Contact	L2/N Power in to timer	Connection
Relay Rating	30A resistive @ 120 VAC to 240 VAC 1HP @ 120 VAC; 2HP @ 208 VAC to 240 VAC				30A resistive @ 120 VAC to 240 VAC 1HP @ 120 VAC; 2HP @ 208 VAC to 240 VAC		
Device Connections	Compressor (Typical)				Defrost Drive (Typical)		

Specifications

Input Power

120/208–240 VAC 60 Hz (+10, -15%)

Power Consumption

6VA max, Defrost termination switch (terminal “G”) input impedance to terminal C: 85kΩ +/- 5%

Operating Voltage

102 VAC min to 132 VAC max @ 60 Hz
176.8 VAC min to 264 VAC max @ 60Hz

NOTE: No user-required adjustments to switch between the high and low voltage.

Ambient Operating Conditions

-40°F to 131°F (-40°C to 55°C); 0 to 95% RH (non-condensing)

Storage Temperature

-40°F to 140°F (-40°C to 60°C)

Outside Dimensions

Individual unit 4.40”W x 7.82”H x 3.80”D

Individual unit (in shipping box)

4.75”W x 8.875”H x 4.75”D

Individual Case Shipping Weight

3.2 lbs

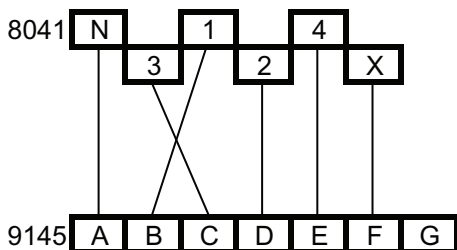
Agency Approvals

c-UR-us Recognized Component – Models 9045-00M & 9145-00M

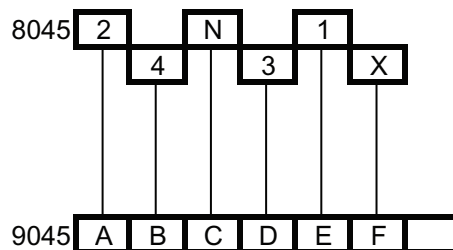
c-UR-us Listed Product – Models 9045-00 & 9145-00

Conversion Diagrams for Paragon Mechanical Controls

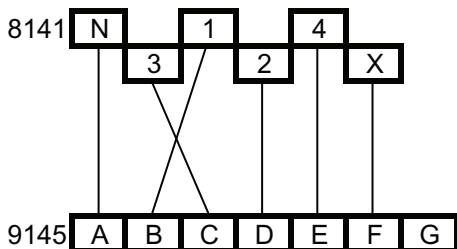
Convert 8041 to 9145



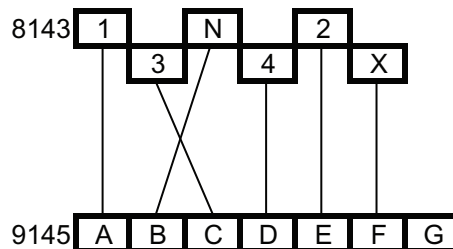
Convert 8045 to 9045



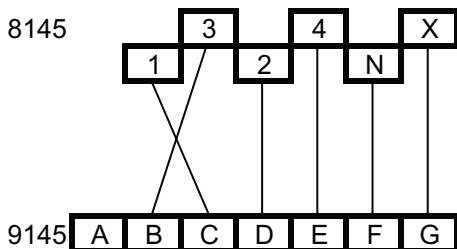
Convert 8141 to 9145



Convert 8143 to 9145

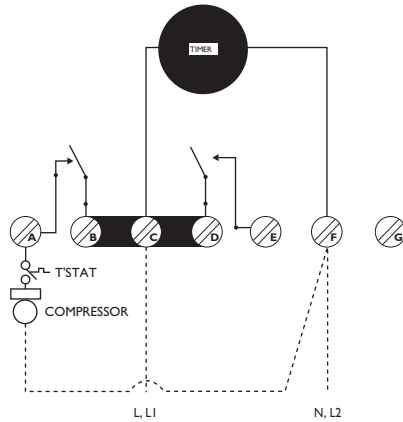


Convert 8145 to 9145

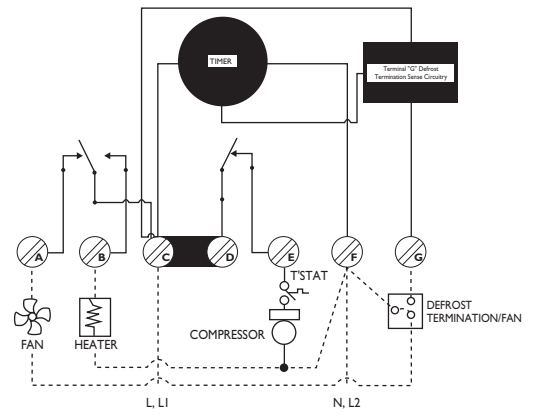


Applications and Wiring Diagrams

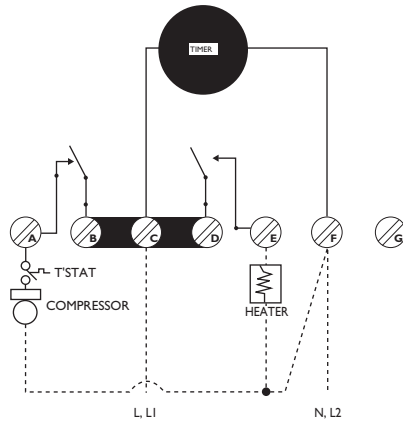
9045
AIR
DEFROST
Time
Initiated
Time
Terminated



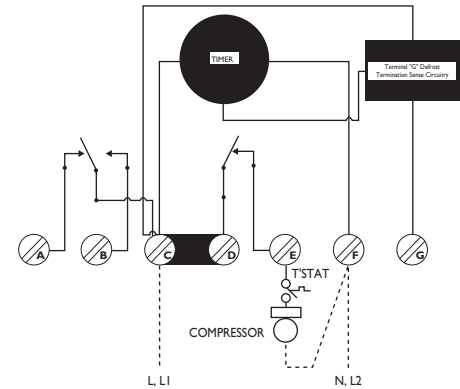
9145
ELECTRIC
DEFROST
Time Initiated
Temperature
Terminated



9045
ELECTRIC
DEFROST
Time
Initiated
Time
Terminated



9145
AIR
DEFROST
Time
Initiated
Time
Terminated



9145
ELECTRIC
DEFROST
Time
Initiated
Time
Terminated

