

## Electromechanical Defrost Timer - Complete Adaptive Defrost Refrigeration Time Control with ICUBE™ Module, Sensor, and Type 3R Enclosure

Item DDT40



### PRODUCT DESCRIPTION

For electric heat, hot gas or compressor shutdown defrost. The DTAV40 Series Auto Voltage Defrost Timer is applicable to air defrost (compressor shutdown) and electric or hot gas defrost systems where the defrost cycle is terminated by the timer. If the coil is frost-free, the timer can also be terminated by temperature or pressure switches before the programmed defrost termination time has been reached. The time termination functions as a fail-safe and terminates the defrost cycle if the temperature or pressure switch fails to do so.

### FEATURES

- ▶ Improved relay performance
- ▶ 1 evaporator sensor included, expandable up to four sensors (178GR10K-1)
- ▶ Comes with 10' sensor wire with thermistor and 6' input wire
- ▶ Sensor wiring can be expanded up to 400' through existing conduits to reach remote condensing units
- ▶ Initiates defrost only when necessary at next timer-programmed interval
- ▶ Temperature initiated (with time delay), temperature, pressure or time terminate
- ▶ Moisture resistant conformal-coated board
- ▶ LED indicators for defrost and refrigeration cycles
- ▶ Defrost cycles are programmed independently
- ▶ Real-time clock face for quick, easy and accurate setting

### APPLICATIONS

- ▶ Walk-in Refrigeration Cooler/Freezer

### TECHNICAL DATA

General	
Model Number	DDT40
Description	Complete Adaptive Defrost Refrigeration Time Control with ICUBE™ Module, Sensor, and Type 3R Enclosure
UPC Code	078275148543
Brand	Domestic Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	1-Year limited
Control Specifications	
Minimum ON/OFF Times	15 min
Maximum ON/OFF Times	23 hours, 45 min
Time Initiation	Temperature; Time
Time Termination	Pressure; Temperature; Time
Mechanism Type	Electromechanical
Defrost LED Indicator	Green; Red
Diagnostics and Efficiency LED Indicator	Blue
Has Captive Trippers	Yes
Has Real-time Clock Face	Yes
Application Compatibilities	Commercial Refrigeration; Walk-in Cooler; Walk-in Freezer
Refrigeration LED Indicator	Green; Red
On Events	48
Off Events	48

Total Events	96
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### Mechanical Specifications

Mounting Options	Bracket
Enclosure Type	Outdoor type 3R plastic

### Dimensions

Product Dimensions (H x W x D) in	8.75 x 6 x 2.938 in
Wire Size Max	#8 AWG

### Material Specifications

Color	Gray
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### Load Ratings

Resistive (NO) Range(s)	40 A, 120-240 VAC
Motor Load Ratings NO Ranges	1 HP, 16 FLA, 96 LRA @ 120 VAC; 2 HP, 12 FLA, 72 LRA @ 240 VAC

### Electrical Specifications

Voltage Selection Type	Auto-Voltage
Wiring Option	Finger safe terminals
Input Voltage Range(s)	Auto-Voltage 120-240 VAC, 60 Hz
Switch Type	1 SPDT, 1 NC SPST
Thermistor Type	NTC
Thermistor Rating	10 K @ 25° C (77° F)
Thermistor Wire Size	#24 AWG
Hz	60

### Packaging

Shipping Weight (lbs)	1.896
Unit Carton Dimensions (H x W x L) in	9.125 x 3 x 6.375 in

### Environmental Specifications

Operating Humidity	0-95% RH, Non-condensing
Temperature (operation)	-40 °F to 131 °F / (-40 °C to 55 °C)

### Standards and Certifications

RoHS Directive	2011/65/EU.
UL Certification	cULus
UL File Number	#E10694
California Proposition 65	None
RoHS Certification	Y

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## ACCESSORIES



178GR10K-1

Additional Separate Sensor Accessory (for Multiple Evaporator Applications)