

DTAV40 Series

Auto-Voltage Defrost Timer



One Defrost Timer Is All You Need.

Grässlin by Intermatic Defrost Timer Controls just got even better! The DTAV40 Series automatically selects the appropriate voltage.

Whether you want an electromechanical clock that automatically detects the input voltage without the use of a dip switch/selector pins or an electronic time switch that automatically detects any voltage between 120 VAC and 240 VAC, the DTAV40 delivers:

- Reduce installation time
- Decrease the amount of competitive SKUs to stock
- Cover all voltages between 120 VAC and 240 VAC

Application:

The DTAV40 Series Commercial Refrigeration Defrost timers are applicable to air defrost (compressor shutdown) and electric or hot gas defrost systems where the defrost is terminated by a timer or a temperature or pressure switch. The time termination functions as a fail-safe and terminates the defrost cycle if the temperature or pressure switch fails to do so.



Universal Replacement Cross Reference

DTAV40 Replaces All These Models:

Paragon					
9045-00	8043-00	8143-20	8046-20	8145-00	8041-00
9145-00	8045-00	8145-20	8047-20	8141-20	
8141-00	8046-00	8041-20	8245-20*	8045-20	
8143-00	8047-00	8043-20	8243-20*	8247-20*	

* Recommended pressure switches: Johnson/Penn P170, Ranco 010 Series, or Danfoss KP1 Series. Pressure range approximately 35-110psi, cut-in on pressure rise.

SUPCO P/L			
S804100	S804500	S814100	S814500
S804120	S804520	S814120	S814520
M814520			

Precision
All 6000 series defrost timers

Universal Replacement Cross Reference

DTAV40E2 Replaces All These Models:

Paragon				
9145-00	8145-20	8143-00	8243-20*	8141-20
8141-00	8143-20	8245-20*	8145-00	8247-20*

* Recommended pressure switches: Johnson/Penn P170, Ranco 010 Series, or Danfoss KP1 Series. Pressure range approximately 35-110psi, cut-in on pressure rise.

SUPCO P/L			
S814120	S814520	S814100	S814500

Precision
6145 & 6141 series timers

Electromechanical Defrost Timer

DTAV40 (24-Hour)

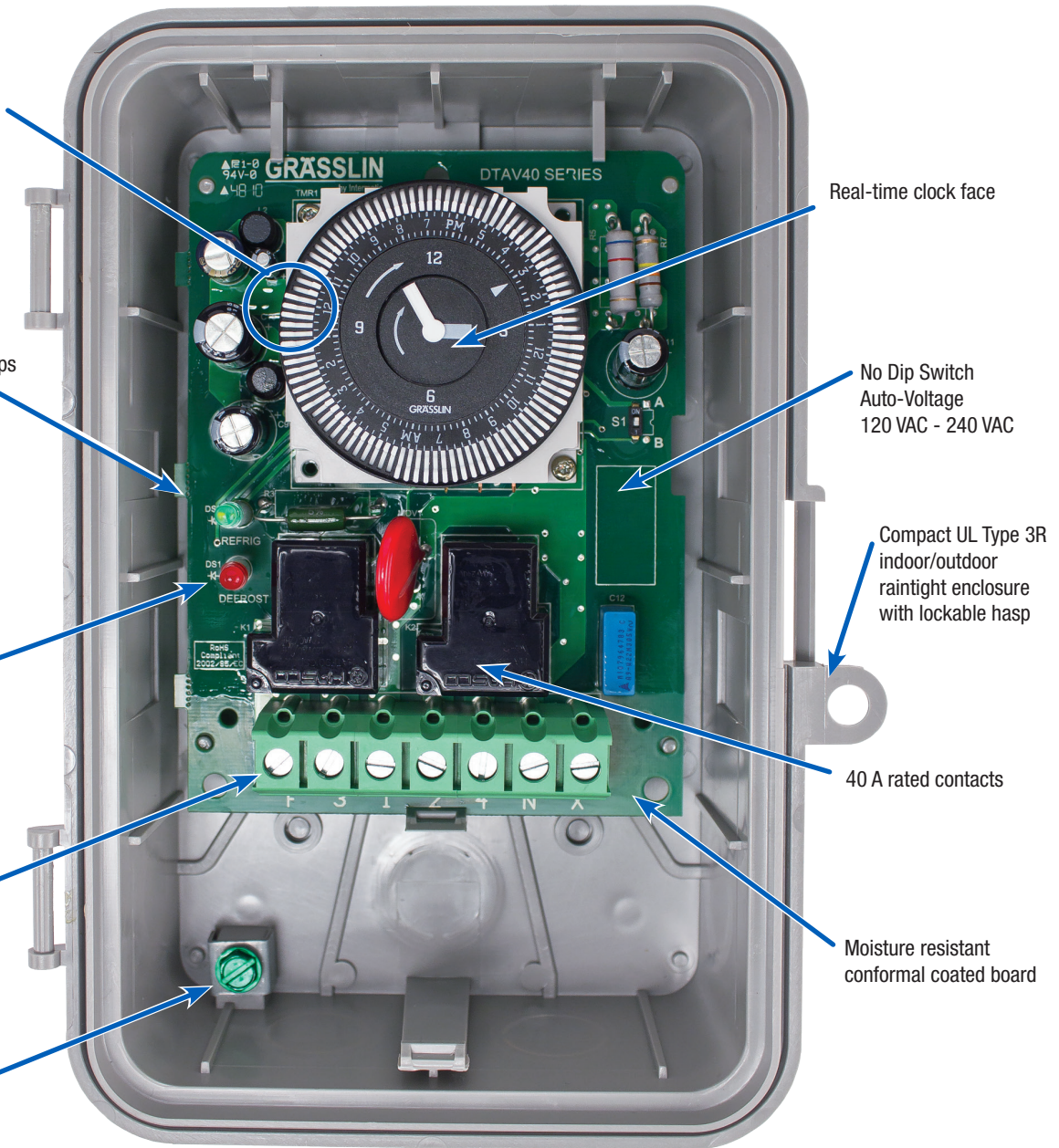
Captive trippers are independently adjustable to enable full or partial defrost cycles at 15-minute intervals

No tools required
Our mechanism simply snaps into existing enclosures

Red and Green LEDs indicate refrigeration or defrost cycle

Large screw terminals for easy wiring #8 AWG

Ground lug termination



Real-time clock face

No Dip Switch
Auto-Voltage
120 VAC - 240 VAC

Compact UL Type 3R
indoor/outdoor
raintight enclosure
with lockable hasp

40 A rated contacts

Moisture resistant
conformal coated board

DTAV40 120-240 V - 40 A

Time Initiated with Temperature, Pressure or Time Terminated

RoHS
Compliant



Specifier's Guide

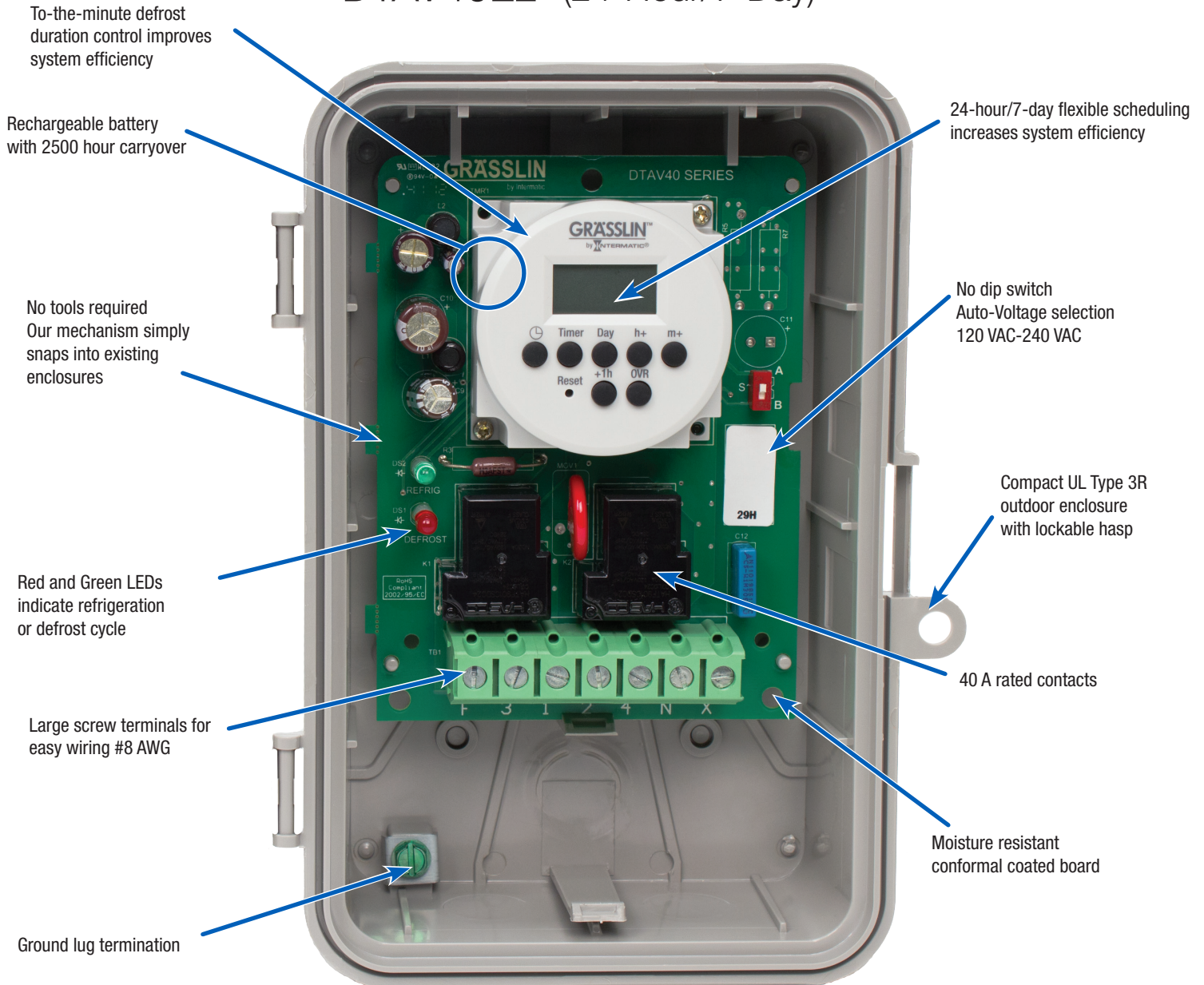
Furnish and install a Grässlin DTAV40 defrost timer, which automatically adjusts between 120 VAC and 240 VAC operation and shall have defrost initiation times settable in 15-minute intervals with captive trippers. The defrost timer shall be housed in a UL Type 3R indoor/outdoor rainproof plastic enclosure. The relay output will be rated for 40 A Resistive, 2 HP @ 240 VAC. Defrost termination to be by time or by a remote temperature or pressure switch.

Specifications

Input voltage:	Auto-Voltage 120-240 VAC, 60 Hz
Electrical Ratings:	40 A Resistive, 120-240 VAC 1 HP, 120 VAC; 2 HP, 240 VAC
Operation Temp:	-40° to 40° C (-40° to 104° F)
Enclosure:	UL Type 3R, Indoor/Outdoor Rainproof Plastic
Min ON/OFF:	15 min
Max ON/OFF:	23 hours, 45 min
Wire Size:	#8 AWG
Shipping Weight:	3 lbs
Operating Humidity:	0-95% RH, non-condensing

Electronic Defrost Timer

DTAV40E2 (24-Hour/7-Day)



To-the-minute defrost duration control improves system efficiency

Rechargeable battery with 2500 hour carryover

No tools required
Our mechanism simply snaps into existing enclosures

Red and Green LEDs indicate refrigeration or defrost cycle

Large screw terminals for easy wiring #8 AWG

Ground lug termination

24-hour/7-day flexible scheduling increases system efficiency

No dip switch
Auto-Voltage selection
120 VAC-240 VAC

Compact UL Type 3R outdoor enclosure with lockable hasp

40 A rated contacts

Moisture resistant conformal coated board

DTAV40E2 120-240 V - 40 A
Time Initiated with Temperature, Pressure or Time Terminated



Specifier's Guide

Furnish and install a Grässlin DTAV40E2 defrost timer, which automatically adjusts between 120 VAC and 240 VAC operation and shall have the ability to set defrost initiation times to the minute with an electronic clock with 14 programs for daily or weekly operation. The defrost timer shall be housed in a UL Type 3R indoor/outdoor plastic enclosure. The relay output will be rated for 40 A Resistive, 2 HP @ 240 VAC. Defrost termination to be by time or by a remote temperature or pressure switch. For carryover, the time switch shall have a factory installed rechargeable battery with a minimum of 2500 hour reserve. The defrost timer will offer a manual override for temporary ON or OFF to the next scheduled event.

Specifications

Input voltage:	Auto-Voltage 120-240 VAC, 50/60 Hz
Electrical Ratings:	40 A Resistive, 120-240 VAC, 50/60 Hz 1 HP, 120 VAC; 2 HP, 240 VAC
Enclosure:	UL Type 3R, Rainproof Plastic
Min ON/OFF:	1 min
Max ON/OFF:	23 hours, 45 min
Wire Size:	#8 AWG
Shipping Weight:	1.896 lbs
Operation Temp:	-25° to 40° C (-13° to 104° F)
Operating Humidity:	0-95% RH, non-condensing