

<http://waterheatertimer.org/Intermatic-timers-and-manuals.html#defrost>

DTAV40 Series

Auto-Voltage Defrost Timer

The Grässlin DTAV40 Series Auto Voltage Defrost Timer is applicable to air defrost (compressor shutdown) and electric or hot gas defrost systems where the defrost is terminated by the timer. If the coil is frost free, the timers 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

- DTAV40 replaces over 40 competitive models
- Auto-Voltage automatically adjusts for 120-240 VAC
- Mounts in existing enclosures, no tools required
- Box lug terminals
- Defrost times programmable in 15-minute intervals with captive trippers
- UL Type 3R outdoor enclosure (DTAV40IM - UL Type 1 Metallic)
- 40 Amp, 2 HP Rating
- 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
- Min ON/OFF time: 15 minutes
- Max ON/OFF time: 23 hours, 45 minutes

Ratings

Input Voltage:	Auto-Voltage 120-240 VAC, 60 Hz
Electrical Ratings:	40 Amp Resistive, 120-240 VAC 1 HP, 120 VAC 2 HP, 240 VAC
Operating Temperature:	-40° F to 104° F (-40°C to 40°C)
Quartz:	-4° F to 104° F (-20°C to 40°C)
Operating Humidity:	0-95% RH, non-condensing
Enclosure:	UL Type 1 or UL Type 3R
Min ON/OFF:	15 minutes
Max ON/OFF:	23 hours, 45 minutes
Electrical Life:	50,000 Operations at full load
Wire Size:	AWG #8
Shipping Weight:	3 lbs.
Warranty:	Limited 1 year

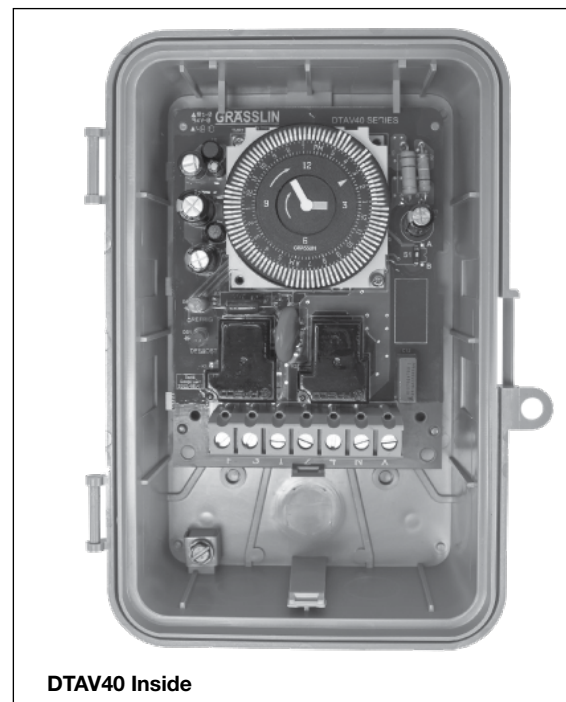
Project: _____

Location: _____

Product Type: _____

Contact/Phone: _____

Model #: _____



#E10694

Model Number	Enclosure	Carryover
DTAV40	UL Type 3R Raintight plastic	No
DTAV40IM	UL Type 1 Metallic not raintight	No
DTAV40M	None, Mechanism only	No
DTAV40Q	UL Type 3R Raintight plastic	Yes (7 Days)
DT-B	None, Bracket Mount	No

Specification

Furnish and install a Grässlin _____ defrost control, which will automatically adjust 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 plastic enclosure or UL Type 1 metallic enclosure. The relay output will be rated for 40A Resistive, 2 HP @ 240 VAC. Defrost termination to be by time (or by a remote temperature or pressure switch). For carryover, the time controls shall have quartz drive with 7-Day reserve carryover from a rechargeable battery.

Diagrams

