



DTAV40



DTAV40 Inside



Ratings	
Input Voltage	
All Models	120-240 VAC, 60 Hz
Q Model	120-240 VAC, 50/60 Hz
Switch Type	1 SPDT, 1 NC SPST
Resistive	40 A, 120-240 VAC
Motor	1 HP, 16 FLA, 96 LRA @ 120 VAC 2 HP, 12 FLA, 72 LRA @ 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
Wiring Connections	Screw box lug terminals. Up to one #8 AWG Wire
Enclosure/Mounting	UL Type 1, UL Type 3R, or Bracket
MIN ON/OFF	15 minutes
MAX ON/OFF	23 hours, 45 minutes
Electrical Life	50,000 operations at full load
Shipping Weight	3 lbs.
Warranty	1-year limited

DTAV40 Series

Time Initiated and Temperature, Pressure or Time Terminated 40 A Autovoltage Electromechanical Defrost Timer

For electric heat, hot gas or compressor shutdown defrost. 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 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.

Applications

- Medium and low-temperature commercial refrigeration systems

Features

- DTAV40 Series replaces over 40 competitive models
- 40 A, 2 HP Rating
- Autovoltage automatically adjusts between 120 and 240 VAC
- Q model features self-recharging battery backup with 7-day carry-over
- Can mount in an existing enclosure – no tools required for installation
- 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
- Defrost times programmable in 15-minute intervals
- Captive trippers won't get lost
- Finger-safe box lug terminals

Model #	Enclosure	Battery Backup
DTAV40	UL Type 3R Outdoor Plastic	No
DTAV40Q	UL Type 3R Outdoor Plastic	Yes (7 Days)
DTAV40IM	UL Type 1 Metallic (Not Raintight)	No
DTAV40M	Mechanism Only	No

Notes: For mounting & enclosure dimensions see page 99.
For wiring examples see page 99.

Accessories/Replacements

Bracket Mount (material electrically isolated) mounting screws included	DT-B
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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 carry-over, the time controls shall have quartz a drive with (DTAV40Q) 7-Day reserve carry-over from a self-recharging battery.

Setting Defrost Times



Configure defrost times easily!
Just scan the QR code with your smartphone or tablet for details on how to choose a defrost starting time.

