

GRÄSSLIN

The First and Only...

Multi-Voltage Defrost Timer

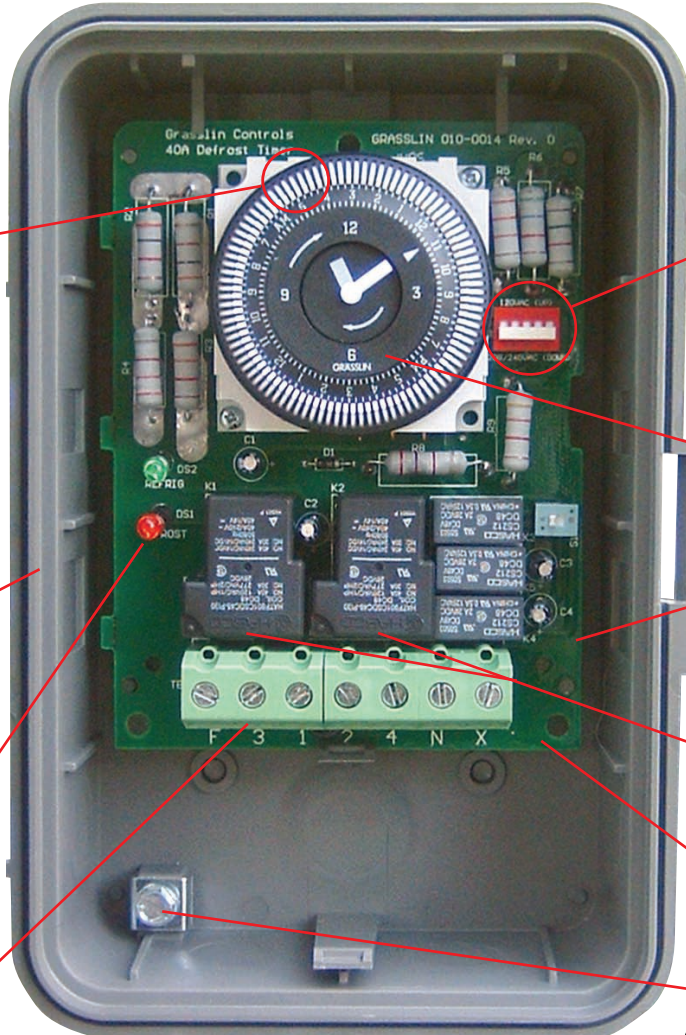
**NOW WITH
40 AMPS!**

FrostKing
DTMV40



**One Defrost Timer
is All You Need!**

Time Initiated, Temperature, Pressure or Time Terminated Multi-Voltage Defrost Timers



Captive Trippers Can't Be Lost
Independently Adjustable Trippers Allow For Full or Partial Defrost Cycles on 15 Minute Intervals

NEW New Compact VALOX® NEMA 3R Outdoor Enclosure Replaces All Metal Enclosures

Red and Green LED Lights Indicate Defrost or Run Cycle

NEW Large Screw Terminals for Easy Wiring #8 AWG

NEW Easy Multi-Voltage Field Adjustable DIP Switch for 120 or 208/240 VAC

Real-Time Clock Face

NEW NO TOOLS REQUIRED! Our "GUTS" simply snap into existing enclosure

NEW 40 Amp Rated Contacts

NEW Moisture Resistant Conformal Coated Board

NEW Ground Lug Termination

Grasslin Controls
40A Defrost Timer
GRASSLIN 010-0014 Rev. 0

120VAC (UP)
208/240VAC (DOWN)

UL LISTED 8827 File #E83486 Covered by U.S. Patent #6,563,237

DTMV⁴⁰ 120 or 208/240 Volts – The only one to stock.

SPECIFIERS GUIDE

Furnish and install a Grasslin DTMV40 defrost control which is field adjustable for 120V or 240V operation and shall have defrost initiation times settable to the quarter hour via captive trippers at 15 minute intervals. The defrost timer shall be housed in a NEMA 3R indoor/outdoor plastic enclosure. The relay output will be rated for 40A Resistive, 2HP @ 250VAC. Defrost termination to be by time (and by a remote temperature or pressure switch).

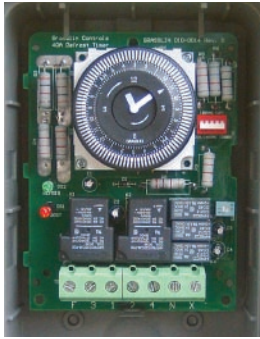
SPECIFICATIONS

Switch Rating:
40A Resistive @ 120VAC, 208~240VAC
2HP @ 208~240VAC; 1HP @ 120VAC
16FLA, 90LRA @ 120VAC
12FLA, 52LRA @ 240VAC
"F" Terminal: 30A Resistive @ 120~240VAC
1HP @ 120VAC; 2HP @ 208~240VAC

Wiring Connections: Screw box lug terminals accommodate up to four #8 AWG wires.

Environmental Ratings:
Operating Temperature Range: -40°F to 131°F (-40°C to 55°C)
Operating Humidity: 0 to 95% non-condensing
Dimensions: 8.795" x 6.631" x 2.935" (H x W x D)
Shipping Weight: 2 lbs.

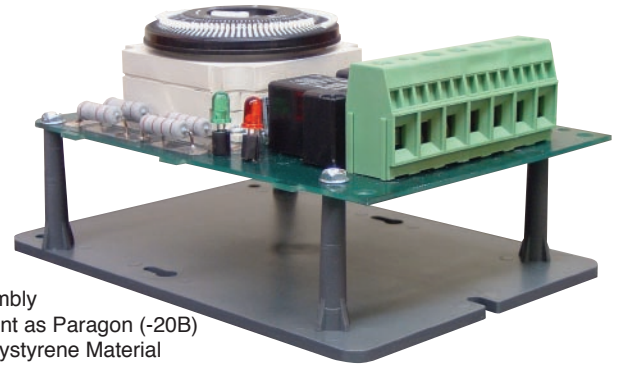
Mechanism Only



DTMV40-M

Fits Into Competitors Enclosure

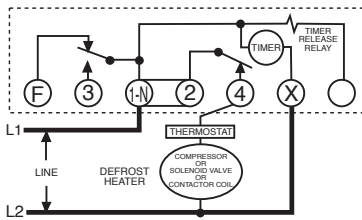
Bracket Mount



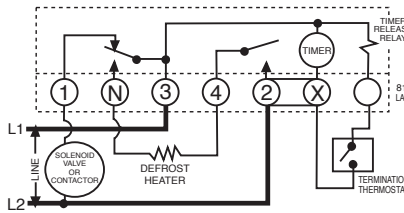
DTMV40-B

- All-in-one Assembly
- Identical Footprint as Paragon (-20B)
- High Impact Polystyrene Material
- UL94HB Flame Class Rated
- Electrically Isolated

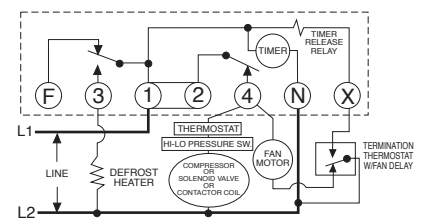
DTMV40 Time/Time–Electric or Air Defrost Wiring Diagram



DTMV40 Time/Temperature–Electric Defrost Wiring Diagram



DTMV40 Time/Temperature–Electric Defrost Wiring Diagram



NOTE: Fan motor may be connected to “F” terminal instead of “4” terminal if desired.

Universal Replacement

GRASSLIN
DTMV40

PARAGON PRECISION

| | |
|----------|---------|
| 8141-00 | 6141-00 |
| 8143-00 | 6143-00 |
| 8145-00 | 6145-00 |
| 8041-00 | 6041-00 |
| 8043-00 | 6043-00 |
| 8045-00 | 6045-00 |
| 8046-00 | |
| 8047-00 | 6047-00 |
| 8141-20 | 6141-20 |
| 8143-20 | 6143-20 |
| 8145-20 | 6145-20 |
| 8041-20 | 6041-20 |
| 8043-20 | 6043-20 |
| 8045-20 | 6045-20 |
| 8046-20 | |
| 8047-20 | 6047-20 |
| 8245-20* | 6245-20 |
| 8243-20* | 6243-20 |
| 8247-20* | 6247-20 |

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

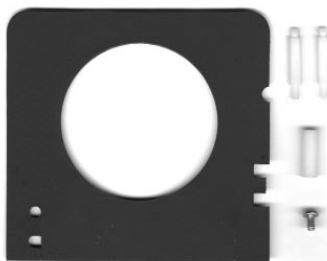


NO TOOLS REQUIRED!

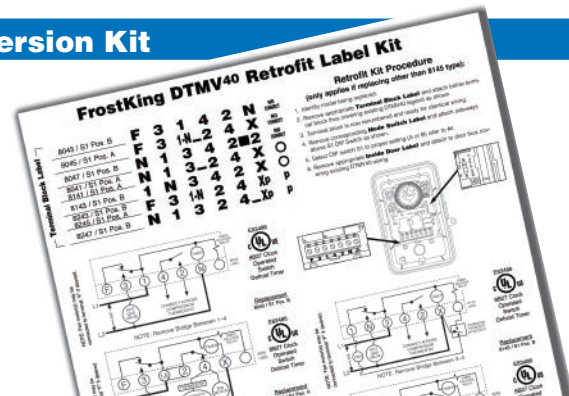
Simply snaps into existing enclosure. Wiring is identical—no need to change.

Retrofit Conversion Kit

Insulator and Standoffs



Universal Replacement Labels



Ordering Data

Time Initiated, Remote Temperature, Pressure, or Time Terminated

| Model Code | Voltage | Mounting | Timer Type | Battery Backup Duration | Defrost Frequency No./Day | Defrost Duration | Minimum Duration Interval |
|-------------------|----------------------|---------------------------|-------------|-------------------------|---------------------------|------------------|---------------------------|
| DTMV40 | 120V, 208/240V, 60Hz | NEMA 3R Outdoor Enclosure | Synchronous | N/A | 1 to 24 | 15-180 min. | 15 min. |
| DTMV40-M | 120V, 208/240V, 60Hz | Mechanism Only | Synchronous | N/A | 1 to 24 | 15-180 min. | 15 min. |
| DTMV40-B | 120V, 208/240V, 60Hz | Bracket Mount | Synchronous | N/A | 1 to 24 | 15-180 min. | 15 min. |
| DTMV40-P | 120V, 208/240V, 60Hz | Panel Mount | Synchronous | N/A | 1 to 24 | 15-180 min. | 15 min. |
| DTQMV40 | 120V, 208/240V, 60Hz | NEMA 3R Outdoor Enclosure | Quartz | 1 week | 1 to 24 | 15-180 min. | 15 min. |
| DTQMV40-M | 120V, 208/240V, 60Hz | Mechanism Only | Quartz | 1 week | 1 to 24 | 15-180 min. | 15 min. |
| DTQMV40-B | 120V, 208/240V, 60Hz | Bracket Mount | Quartz | 1 week | 1 to 24 | 15-180 min. | 15 min. |
| DT140 Digi 20-120 | 120V, 50/60Hz | NEMA 3R Outdoor Enclosure | Electronic* | 1 week | 1 to 8 | 1-180 min. | 1 min. |
| DT140 Digi 20-240 | 208/240V, 50/60Hz | NEMA 3R Outdoor Enclosure | Electronic* | 1 week | 1 to 8 | 1-180 min. | 1 min. |

Standard models are also available with 50Hz input in 208/240V *Rated at 30 Amps

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