

Electromechanical Time Switch - 24 Hour 120-240V Water Heater Timer with Battery Backup and Auto-voltage, 40A SPDT/DPDT, Type 3R Indoor/Outdoor Plastic Enclosure

Item WHAVQ4



PRODUCT DESCRIPTION

WHAVQ Series Water Heater Timers are designed for control of residential or commercial electric water heaters up to 10,000 Watts capacity running at 240 VAC. The unit is mounted in a UL Type 3R Outdoor enclosure and can be placed in basements or mechanical rooms.

FEATURES

- ▶ 40 A rating
- ▶ Self-recharging battery backup with 7-day carry-over
- ▶ Captive trippers - cannot be lost
- ▶ 24-hour or 7-day models available
- ▶ Three-way ON/OFF/AUTO manual override
- ▶ Power and status LED indicators
- ▶ Rainproof UL Type 3R enclosure
- ▶ Saves energy by shutting water heaters OFF during "off peak periods"
- ▶ Autovoltage selection 120-240 VAC
- ▶ Easy-to-read clock face

APPLICATIONS

- ▶ Water Heater Control

TECHNICAL DATA

| General | |
|--------------------------------|---|
| Model Number | WHAVQ4 |
| Description | 24 Hour 120-240V Water Heater Timer with Battery Backup and Auto-voltage, 40A SPDT/DPDT, Type 3R Indoor/Outdoor Plastic Enclosure |
| UPC Code | 078275140998 |
| Brand | Domestic Intermatic |
| Country of Origin (Intermatic) | MEXICO |
| Warranty Period | 1-Year limited |
| Control Specifications | |
| Maximum ON/OFF Operations | 48 |
| Operation Mode | 24 hour |
| Backup Type | 72-hour Carry-over; Battery; Self-recharging |
| Backup Protection Time | 72 Hours |
| Battery Service Type | Rechargeable |
| Mechanism Type | Analog/Mechanical |
| Has Captive Trippers | Yes |
| Has Override Switch | Yes |
| Has Real-time Clock Face | Yes |
| Mechanical Specifications | |
| Enclosure Type | Indoor/outdoor type 3R plastic |
| Number of Trippers Included | 96 |

Dimensions

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|---------------|--------|
| Wire Size Max | #8 AWG |
|---------------|--------|

Load Ratings

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|------------------------------|---|
| Tungsten (NO) Load Ratings | 15 A, 120 VAC, 50 Hz; 15 A, 120 VAC, 60 Hz |
| Switch Rating For NO | 40 A Resistive, 250 VAC, 10,000 W |
| Switch Rating For NC | 30 A Resistive, 250 VAC, 7500 W |
| Motor Load Ratings NC Ranges | 1 HP, 12 FLA, 30 LRA @ 120 VAC; 2 HP, 10 FLA, 30 LRA @ 240 VAC |
| Motor Load Ratings NO Ranges | 1 HP, 16 FLA, 90 LRA @120 VAC; 2 HP, 12 FLA, 52 LRA @ 208-277 VAC |

Electrical Specifications

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|------------------------|--------------------------------|
| Voltage Selection Type | Auto Voltage |
| Wiring Option | Screw box lug |
| Input Voltage Range(s) | 120-240 VAC, 50/60 Hz |
| Switch Type | 40 A, DPDT |
| Switch Configuration | DPDT (2 NO and 2 NC contacts) |
| Electrical Life | 50,000 operations at full load |

Packaging

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|---------------------------------------|---------------------|
| Shipping Weight (lbs) | 1.9 |
| Unit Carton Dimensions (H x W x L) in | 9.125 x 3 x 6.75 in |

Environmental Specifications

| | |
|-------------------------|-------------------------------------|
| Operating Humidity | 0-95% RH, Non-condensing |
| Temperature (operation) | -4 °F to 104 °F / (-20 °C to 40 °C) |

Standards and Certifications

| | |
|---------------------------|-------|
| UL Certification | cULus |
| California Proposition 65 | None |
| RoHS Certification | Y |