

## Electromechanical Time Switch -

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"
- ▶ Auto-voltage selection 120-240 VAC
- ▶ Easy-to-read clock face

### APPLICATIONS

- ▶ Water Heater Control

### TECHNICAL DATA

#### General

Model Number	WHAVQ4
UPC Code	078275140998
Brand	Domestic Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	1-Year limited

#### Control Specifications

Operation Mode	24 hour
Backup Type	72-hour Carry-over; Battery; Self-recharging
Backup Protection Time	72 Hours
Battery Service Type	Non-Replaceable
Mechanism Type	Analog/Mechanical
Has Captive Trippers	Yes
Has Override Switch	Yes
Has Real-time Clock Face	Yes
Chemical Composition of the Battery Cell	Ni-MH
On Events	48
Off Events	48
Total Events	96

#### Mechanical Specifications

Enclosure Type	Indoor/outdoor type 3R plastic
Number of Trippers Included	96

#### Dimensions

Wire Size Max

#8 AWG

### Material Specifications

Color Gray

### Load Ratings

Resistive (NO) Range(s)	40 A, 250 VAC, 10,000 W
Resistive (NC) Range(s)	30 A, 250 VAC, 7500 W
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
Tungsten Load Ratings NC Ranges	2 A, 120 VAC
Tungsten Incandescent Load Ratings NO Ranges	15 A, 120 VAC

### Electrical Specifications

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
Hz	50/60

### Packaging

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
Other Certifications and Compatibilities	Green Energy
California Proposition 65	None
RoHS Certification	Y