

Electromechanical Time Switch - 40 A, Auto-voltage General Purpose Time Control

Item GM40AV-Q



FILE #20
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PRODUCT DESCRIPTION

The GM40AV Time Switch is a universal, electromechanical time switch designed for general purpose residential and commercial applications. The robust 40 A time switch automatically detects the input voltage without the use of a DIP switch or selector pins. The time switch automatically selects any voltage between 120-277 VAC. The mechanism is mounted in a compact UL Type 3R outdoor enclosure and can also be easily retrofitted into other Intermatic enclosure types. The time switch features a DPDT switching configuration standard (i.e. two normally open and two normally closed contacts).

FEATURES

- Auto-voltage selection 120 VAC-277 VAC
- Captive trippers - trippers cannot be lost
- 40 A rating
- Self-recharging battery backup, "Q" models feature 72-hour carry-over
- Power and status LED indicators
- 24-Hour or 7-day models available
- Up to 48 ON/OFF operations per 24-hour period or 42 ON/OFF operations per week on "W" models
- DPDT switching configuration standard (2 NO and 2 NC Contacts)
- Manual three-way ON/OFF/AUTO override switch
- Easy-to-read clock face

APPLICATIONS

- Refrigeration Merchandiser
- Air Movement & Ventilation
- Aeration
- Septic Treatment
- Generator Exercising

TECHNICAL DATA

General

Model Number	GM40AV-Q
Description	40 A, Auto-voltage General Purpose Time Control
UPC Code	078275140967
Brand	Domestic Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	1-Year limited

Control Specifications

Minimum ON/OFF Times	15 min
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	Non-Replaceable
Mechanism Type	Electromechanical
Has Captive Trippers	Yes
Has Override Switch	Yes
Has Real-time Clock Face	Yes
Chemical Composition of the Battery Cell	Ni-MH

Mechanical Specifications

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

Dimensions

Product Dimensions (H x W x D) in	8.875 x 6.609 x 3 in
Wire Size Max	#8 AWG

Material Specifications

Color	Gray
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Load Ratings

Tungsten (NO) Load Ratings	15 A, 120 VAC
Magnetic Ballast (NO) Range(s)	30 A, 120 VAC; 20 A, 277 VAC
Magnetic Ballast (NC) Range(s)	10 A, 277 VAC
Resistive (NO) Range(s)	40 A, 120-277 VAC
Resistive (NC) Range(s)	30 A, 120-277 VAC
Pilot Duty (NO) Range(s)	300 VA, 120-240 VAC
Pilot Duty Load Ratings Ranges	300 VA, 120-240 VAC
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

Voltage Selection Type	Auto-Voltage
Wiring Option	Screw box lug
Input Voltage Range(s)	120-277 VAC, 50/60 Hz
Switch Type	DPDT
Electrical Life	50,000 operations at full load
Hz	50/60

Packaging

Shipping Weight (lbs)	1.896
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)	-40 °F to 131 °F / (-40 °C to 55 °C)

Standards and Certifications

UL Certification	cULus
Other Certifications and Compatibilities	Title 20; Green Energy
UL File Number	#E10694
RU File Number	#E10694
California Proposition 65	None
RoHS Certification	N/A