

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

Item GM40AV-Q



### 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 |
|-------|------|

**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                    |