

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 |