

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

Item GM40AV-D89



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.
- ▶ 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.
- ▶ Type 3R outdoor enclosure.

APPLICATIONS

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

TECHNICAL DATA

| General                        |                                                 |
|--------------------------------|-------------------------------------------------|
| Model Number                   | GM40AV-D89                                      |
| Description                    | 40 A, Auto-voltage General Purpose Time Control |
| UPC Code                       | 078275123755                                    |
| Brand                          | Domestic Intermatic                             |
| Country of Origin (Intermatic) | MEXICO                                          |
| Warranty Period                | 1-Year limited                                  |
| Control Specifications         |                                                 |
| Minimum ON/OFF Times           | 15 min                                          |
| Operation Mode                 | 24 hour                                         |
| Mechanism Type                 | Electromechanical                               |
| Has Captive Trippers           | Yes                                             |
| Has Override Switch            | Yes                                             |
| Has Real-time Clock Face       | Yes                                             |
| On Events                      | 48                                              |
| Off Events                     | 48                                              |
| Total Events                   | 96                                              |
| 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               |

**Load Ratings**

|                                     |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| 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                                               |
| Motor Load (NC) Range(s)            | 1 HP, 12 FLA, 30 LRA @ 120 VAC; 2 HP, 10 FLA, 30 LRA @ 240 VAC    |
| Motor Load (NO) Range(s)            | 1 HP, 16 FLA, 90 LRA @120 VAC; 2 HP, 12 FLA, 52 LRA @ 208-277 VAC |
| Tungsten Incandescent (NC) Range(s) | 2 A, 120 VAC                                                      |
| Tungsten Incandescent (NO) Range(s) | 15 A, 120 VAC                                                     |

**Electrical Specifications**

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

**Packaging**

|                                       |                          |
|---------------------------------------|--------------------------|
| Shipping Weight (lbs)                 | 1.896                    |
| Unit Carton Dimensions (H x W x L) in | 9.375 x 3.125 x 6.875 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 | Green Energy |
| UL File Number                           | #E10694      |
| RU File Number                           | #E10694      |
| California Proposition 65                | None         |
| RoHS Certification                       | Y            |