

### GM40AVE

#### 40 Amp Auto-Voltage

#### General Purpose Time Switch

Grässlin's GM40 Auto-Voltage Series 40 Amp Electronic Time Switch is a universal electronic control, which automatically detects the input voltage without the use of a DIP switch or selector pins. The time switch automatically selects any voltage between 120 VAC and 277 VAC. This time switch controls high amperage loads for lighting, HVACR, pumps, motors, fan controls, access controls, agricultural facilities, and general purpose electrical circuits. The mechanism is mounted in a compact UL Type 3R outdoor enclosure and features a DPDT Switching Configuration standard.

#### Features

- 40 Amp rating
- Power and status LED indicators
- 24-Hour or 7-Day applications
- 3 preset adjustable block programs
- Auto-Voltage selection 120 VAC through 277 VAC
- DPDT Switching Configuration standard (2 N.O. and 2 N.C. Contacts)
- 20 setpoint programs
- Easy-to-follow menu driven programming
- Temporary manual override with load status indication
- Battery backup

#### Ratings

Enclosure Dimensions: 8.88" H X 6.61" W X 3" D

Supply Voltage: 120-208/240 or 277 VAC

#### Switch Rating:

N.O. Contacts: 40A, Resistive 120-277 VAC  
 1 HP (16FLA, 90LRA), 120 VAC  
 2 HP (12FLA, 52LRA), 208-277 VAC  
 30A, Ballast, 120 VAC  
 20A, Ballast, 277 VAC  
 15A, Tungsten, 120 VAC

N.C. Contacts: 30 Amp Resistive, 120-277 VAC  
 1 HP (12FLA, 30LRA), 120 VAC  
 2 HP (10FLA, 30LRA), 240 VAC  
 2A, Tungsten, 120 VAC  
 10A, Ballast, 277 VAC

Wiring Connections: Screw box lug terminals

Operating Temperature: -40°F to 131°F (-40°C to 55°C)

Operating Humidity: 0 to 95% RH, non-condensing

Electrical Life: 50,000 Operations at Full Load

Switch Configuration: DPDT (2 N.O. and 2 N.C. Contacts)

Shipping Weight: 3 lbs.

Warranty: Limited 1 year

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Product Type: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

Model #: \_\_\_\_\_



Model	Voltage	Output	Timing	Battery Backup
GM40AVE	120-208/240, or 277 VAC	40A DPDT	24-Hour or 7-Day (Minimum of 1-Minute timing intervals)	Yes

## Specification

Furnish and install a Grässlin GM40AVE Auto-Voltage 24-Hour/7-Day electronic time switch with digital display. Input voltage shall be 120-208/240 or 277 VAC that the unit automatically detects and selects. All units shall incorporate DPDT contacts that shall be rated at 40A, 2 HP @ 277 VAC. To set the starting time and to provide time indication, the unit shall have 24-Hour/7-Day to-the-minute programming and also offer 10 ON and 10 OFF setpoint programs and include 3 preset block programs to allow a selection of any combination of days for different weekday schedules. LED indicators shall provide power and status feedback. Enclosure shall be UL Type 3R suitable for both indoor or outdoor installation. The time switch shall contain a manual override for temporary ON or OFF to the next scheduled event and load status indication in LCD. The time switch shall have a 3-year carryover.

## Diagrams

