



GM40 Series (24-Hour/7-Day)

Multi-Voltage General Purpose Time Switch

The GM40 Multi-Volt Series Time Controls are universal, electromechanical time switches which can be field configured for various power supply voltages. The voltage options include 120VAC, 208/240VAC, and 277VAC, all within the same unit! Selection of the desired supply voltage is easily achieved by selecting the DIP to the corresponding input voltage. The mechanism is mounted in a compact NEMA 3R outdoor enclosure and features a DPDT switching configuration standard (i.e. two normally open and two normally closed contacts). All GM40 models are available as "Mechanism Only" (-M) for installation in other enclosures or control panels or "Bracket Mount" (-B). The GM40 is also available in a NEMA 1 Indoor Metal Enclosure (-IM).

APPLICATION: The GM40 is a robust time switch capable of switching high amperage. Below are samples of the many applications where the GM40 can be used:

- Lighting Control
- Heating, Air-Conditioning
- Pumps/Motors/Fan Control
- Access Control
- Agricultural Facilities
- General Purpose Electrical Circuits

Amber and Green LED Lights Indicate Power and Status

Easy Multi-Voltage Field Adjustable DIP Switch for 120, 208/240, or 277 VAC

New Compact VALOX®NEMA 3R Outdoor Enclosure is Standard

Large Screw Terminals for Easy Wiring #8 AWG

Ground Lug Termination

Captive Trippers Can't Be Lost

Independently Adjustable Trippers at 15 Minute Intervals (2 hrs. for 7-day model)

True Clock Face with ON/OFF/AUTO Override Switch

NO TOOLS REQUIRED! Our "GUTS" simply snap into existing INTERMATIC® enclosures

40 Amp Rated Contacts

Moisture Resistant Conformal Coated Board

SPDT and DPDT ALL-IN-ONE!



Electromechanical Time Controls

GM40 Series Ordering Data			
Grasslin/Intermatic Model	Voltage	Output	Battery Backup
24-Hour Electromechanical, Multi-Voltage, SPDT/DPDT, NEMA 3R Outdoor Enclosure			
GM40	120, 208-240, 277VAC	40A DPDT	—
GM40Q	120, 208-240, 277VAC	40A DPDT	Yes
7-Day (Skip-A-Day/Weekly) Electromechanical, Multi-Voltage, SPDT/DPDT, NEMA 3R Outdoor Enclosure			
GM40W	120, 208-240, 277VAC	40A DPDT	—
GM40QW	120, 208-240, 277VAC	40A DPDT	Yes
24-Hour Electromechanical, Multi-Voltage, SPDT/DPDT, Mechanism Only			
GM40-M	120, 208-240, 277VAC	40A DPDT	—
GM40Q-M	120, 208-240, 277VAC	40A DPDT	Yes
7-Day (Skip-A-Day/Weekly) Electromechanical, Multi-Voltage, SPDT/DPDT, Mechanism Only			
GM40W-M	120, 208-240, 277VAC	40A DPDT	—
GM40QW-M	120, 208-240, 277VAC	40A DPDT	Yes

ELECTRICAL RATINGS:

N.O. Contacts:

- 40A Resistive @ 120-277VAC
- 1HP, 16FLA, 90LRA @ 120VAC
- 2HP, 12FLA, 52LRA @ 208-277VAC
- 30A Ballast @ 120VAC
- 20A Ballast @ 277VAC
- 15A Tungsten @ 120VAC
- 300VA Pilot Duty 120-240VAC

N.C. Contacts:

- 30A Resistive @ 120-277VAC
- 1HP, 12FLA, 30LRA @ 120VAC
- 2HP, 10FLA, 30LRA @ 240VAC
- 2A Tungsten @ 120VAC
- 10A Ballast @ 277VAC

WIRING CONNECTIONS:

Screw box lug terminals

ENVIRONMENTAL RATINGS:

Operating Temperature Range:

-40°F to 131°F (-40°C to 55°C)

Operating Humidity: 0 to 95% non-condensing

ENCLOSURE DIMENSIONS:

8.795" x 6.631" x 2.935" (H x W x D)

SHIPPING WEIGHT: 3 lbs.

ELECTRICAL LIFE:

50,000 Operations at Full Load

SWITCH CONFIGURATION:

DPDT (2-N.O. and 2-N.C. Contacts)

BATTERY BACKUP OPTION: 7 Days

SPECIFIERS GUIDE

Furnish and install a Intermatic GM40 _ Multi-Volt Series 24 hour or (7 day) time switch with captive trippers and quartz or synchronous drive. Input voltage shall be 120, 208/240 or 277VAC selectable via simple to set DIP switch. All units shall incorporate both SPDT and DPDT contacts that shall be rated at 40A, 2 HP @ 277V. To set the starting time and to provide time indication, the unit shall have an authentic clock face with hour and minute hands. LED indicators shall provide Power and Status feedback. Enclosure shall be NEMA 3R suitable for both indoor or outdoor installation. Time switch shall contain an OFF/AUTO/ON manual override. **For Carry-over:** The time switch shall have a quartz drive with 7 day reserve carry-over.