

Project: _____

Location: _____

Product Type: _____

Contact/Phone: _____

Model #: _____

GM40 Series

40 Amp Multi-Voltage

General Purpose Time Switches

Grässlin's GM40 Multi-Voltage Series Time Switch is a universal electromechanical control, which can be field configured for various power supply voltages. The timer controls high amperage loads for lighting, HVACR, pumps, motors, fan controls, access controls, agricultural facilities, and general purpose electrical circuits. The voltage options include 120 VAC, 208/240 VAC, and 277 VAC within the same unit. Selection of the desired supply voltage is easily achieved by configuring the DIP switch to the corresponding input voltage. The mechanism, which is mounted in a compact UL Type 3R outdoor enclosure, features a DPDT switching configuration standard. GM40 models are also available in "Mechanism Only" (-M for installation in other enclosures or control panels), battery backup, and 7-Day timing configurations.

Features

- 40 Amp rating
 - Power and status LED indicators
 - Easy-Multi-Voltage-Field-Adjustable DIP switch
 - Captive trippers – cannot be lost
 - 24-Hour or 7-day programming*
 - DPDT
 - Battery backup**
 - Manual 3-way override
- (Note = *W versions only **= Q versions only)
- GM40QW-Title 24 listed

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 @ 120VAC

N.C. Contacts: 30A, 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

Environmental Ratings:

Operating Temperature: Synchronous: 40°F to 104°F (-40°C to 55°C)
 Quartz: -4°F to 104°F (-20°C to 40°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)

Battery Backup: 7 Days

Shipping Weight: 3 lbs.

Warranty: Limited 1 year



Model	Voltage	Output	Timing	Battery Backup
GM40	120, 208/240, or 277 VAC	40A DPDT	24-Hour, 15-Minute intervals	
GM40Q	120, 208/240, or 277 VAC	40A DPDT	24-Hour, 15-Minute intervals	Yes
GM40QW	120, 208/240, or 277 VAC	40A DPDT	7-Day, 2-Hour intervals	Yes
GM40-M (mech only)	120, 208/240, or 277 VAC	40A DPDT	24-Hour, 15-Minute intervals	
GM40W	120, 208/240, or 277 VAC	40A DPDT	7-Day, 2-Hour intervals	

Specification

Furnish and install a Grässlin GM40__ Multi-Volt 24-Hour or 7-Day time switch with captive trippers and quartz or synchronous drive. Input voltage shall be 120-208/240 or 277 VAC selectable via simple-to-set DIP switch. All units shall incorporate DPDT contacts that shall be rated a 40A, 2 HP @ 277 VAC. To set the starting time and provide time indication, the unit shall have an authentic clock face with hour and minute hands. LED indicators shall provide power and status feedback. The enclosure shall be UL Type 3R suitable for both indoor and outdoor installation. The time switch shall contain a 3-Way OFF/AUTO/ON manual override. The time switch shall have a quartz drive with 7-Day reserve carryover.

Diagrams

