

Grässlin Mechanical Time Switches

Grässlin Electromechanical, 24-Hour or 7-Day



GM40AV



Captive Trippers
can't be lost

GM40AV Series

40 A Autovoltage General Purpose Time Control

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).

Applications

- Lighting Control • Access Control • Commercial Refrigeration
- General Electrical Circuits • Pumps • Motors • Fan Control

Features

- Autovoltage selection 120 VAC-277 VAC
- Captive trippers - trippers cannot be lost
- 40 A rating
- Self-recharging battery backup, "Q" models feature 7-day 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
- Type 3R outdoor enclosure

Model #	Autovoltage	Switch Type	Enclosure	Battery Backup	Timing
GM40AV	120-277 VAC, 60 Hz	DPDT	Indoor/Outdoor Type 3 Plastic	No	24-hours, 15-min Intervals
GM40AV-Q*	120-277 VAC, 50/60 Hz	DPDT	Indoor/Outdoor Type 3 Plastic	Yes	24-hours, 15-min Intervals
GM40AV-M	120-277 VAC, 60 Hz	DPDT	Mechanism Only	No	24-hours, 15-min Intervals
GM40AV-W	120-277 VAC, 60 Hz	DPDT	Indoor/Outdoor Type 3 Plastic	No	7-days, 2-hour Intervals
GM40AV-QW*	120-277 VAC, 50/60 Hz	DPDT	Indoor/Outdoor Type 3 Plastic	Yes	7-days, 2-hour Intervals

*Q models are Title 20 listed.



Ratings	
Supply Voltage	See Table Above
Switch Type (2 NO/NC Contacts)	DPDT
Switch Ratings (NO Contacts)	
Resistive (NO)	40 A, 120-277 VAC
Ballast (NO)	30 A, 120 VAC; 20 A, 277 VAC
Tungsten (NO)	15 A, 120 VAC
Pilot Duty (NO)	300 VA, 120-240 VAC
Switch Ratings (NC Contacts)	
Resistive (NC)	30 A, 120-277 VAC
Ballast (NC)	10 A, 277 VAC
Tungsten (NC)	2 A, 120 VAC
Motor	
Motor (NO)	1 HP, 16 FLA, 90 LRA @120 VAC; 2 HP, 12 FLA, 52 LRA @ 208-277 VAC
Motor (NC)	1 HP, 12 FLA, 30 LRA @ 120 VAC; 2 HP, 10 FLA, 30 LRA @ 240 VAC
Operating Temperature	-40° F to 131° F (-40° C to 55° C)
Operating Humidity	0-95% RH, Non-condensing
Maximum Power Consumption	7 VA
Wiring Terminals	Screw Box Lug
Electrical Life	50,000 operations at full load
Shipping Weight	1.83 lbs. (.83 Kg)
Warranty	1-year limited