

## Electromechanical Time Switch - 40 A, Autovoltage General Purpose Time Control

Item GM40AV-D89 / EAN-Code



### 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

- ▶ 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

### APPLICATIONS

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

### TECHNICAL DATA

General	
Patent Number	#6,563,237
Warranty	1-year limited
Mechanism Type	Electromechanical
UPC Code	078275123755
Description	40 A, Autovoltage General Purpose Time Control
Model Number	GM40AV-D89
Brand	Grässlin
Harmonized Code	9107.00.8000
Country of Origin (Intermatic)	MEXICO
Mechanical Specifications	
Number of Trippers Included	96
Enclosure Type	Indoor/Outdoor Type 3R Plastic
Electrical Specifications	
Wiring Option	Screw Box Lug
Input Voltages	120-277 VAC, 60 Hz

Switch Type	DPDT
Input Voltage Ranges	120-277 VAC, 60 Hz
Electrical Life	50,000 operations at full load

#### Material Specifications

Shipping Weight (kg)	0.86
Shipping Weight (lbs)	1.896

#### Control Specifications

Minimum ON/OFF Times	15-min
Maximum ON/OFF Operations	48
Operation Mode	24-hours
Voltage Selection Type	Auto Voltage
Has Override Switch	True
Has Captive Trippers	True
Has Real-time Clock Face	True

#### Environmental Specifications

Operating Humidity	0-95% RH, Non-condensing
Operating Temperature Min (°C)	-40
Operating Temperature Min (°F)	-40
Operating Temperature Max (°C)	55
Operating Temperature Max (°F)	131
California Proposition 65	None

#### Load Ratings

Resistive (NC)	30 A, 120 VAC, 60 Hz
	30 A, 208 VAC, 60 Hz
	30 A, 240 VAC, 60 Hz
	30 A, 277 VAC, 60Hz
Tungsten (NO)	15 A, 120 VAC
Tungsten (NC)	2 A
Resistive (NO)	40 A, 120-277 VAC
Pilot Duty (NO)	300 VA, 120 VAC
	300 VA, 208 VAC
	300 VA, 240 VAC
Motor (NC)	1HP, 12FLA, 30LRA @120 VAC; 2HP, 10FLA, 30LRA @240VAC
Motor (NO)	1HP, 16FLA, 90LRA @ 120VAC
	2HP, 12FLA, 52LRA @ 208-277VAC
Motor (NC) Range(s)	1 HP, 12 FLA, 30 LRA @ 120 VAC; 2 HP, 10 FLA, 30 LRA @ 240 VAC
Motor (NO) Range(s)	1 HP, 16 FLA, 90 LRA @120 VAC; 2 HP, 12 FLA, 52 LRA @ 208-277 VAC
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

Pilot Duty Range(s) 300 VA, 120-240 VAC

### Standards and Certifications

Other Certifications	RoHS
	cRUus
UL Certification	cULus
UL File Number	#E10694
RU File Number	#E10694

### Dimensions

Dimension	16.79x22.56x7.62mm
Product Width (in)	6 39/64
Product Height (in)	8 7/8
Product Height (mm)	22.56
Product Depth (mm)	7.62
Product Depth (in)	3
Wire Size Max	#8 AWG
Unit Carton Height (in)	9.125
Unit Carton Width (in)	3
Unit Carton Length (in)	6.75