

24-Hour or 7-Day 120-277V Electronic Time Control, 40A, NEMA 3R Indoor/Outdoor Plastic Enclosure

Item GM40AVE-RD89



PRODUCT DESCRIPTION

The GM40AVE-RD89 is a universal, electronic time switch designed for general purpose residential and commercial applications. The robust 40 A time control 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. 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 control features a DPDT switching configuration standard (i.e. two normally open and two normally closed contacts).

FEATURES

- ▶ Heavy-duty 40 A contact rating.
- ▶ Automatically adjusts voltages between 120-277 VAC.
- ▶ 24-Hour/7-day flexible scheduling.
- ▶ Power and status LED indicators.
- ▶ DPDT switching configuration (2 NO and 2 NC Contacts).
- ▶ 14 Setpoint programs.
- ▶ Manual override with load status indication.
- ▶ Self-recharging battery with back up protection up to 2500 hours.
- ▶ Type 3R outdoor enclosure with lockable hasp.
- ▶ To-the-minute accuracy.

APPLICATIONS

- ▶ Refrigeration Merchandiser
- ▶ Air Movement & Ventilation
- ▶ Aeration
- ▶ Septic Treatment
- ▶ Generator Exercising

TECHNICAL DATA

General	
Model Number	GM40AVE-RD89
Description	24-Hour or 7-Day 120-277V Electronic Time Control, 40A, NEMA 3R Indoor/Outdoor Plastic Enclosure
UPC Code	078275142428
Country of Origin (Intermatic)	CHINA
Warranty Period	1-Year limited
IGCC	5191
UNSPSC	39122208
Control Specifications	
Minimum ON/OFF Times	1 min
Operation Mode	24 hour; 7 day
Daylight Savings Adjustment	Manual
Backup Type	Battery
Backup Protection Time	2500 Hours
Battery Service Type	Non-Replaceable
Has Manual Override Status Indication	Yes
Chemical Composition of the Battery Cell	Ni-MH
On Events	7

Off Events	7
Total Events	14

Mechanical Specifications

Enclosure Type	Outdoor type 3R plastic
Has Finger-Safe Terminals	Yes

Dimensions

Product Dimensions (H x W x D) mm	225.425 x 167.9 x 76.2 mm
Product Dimensions (H x W x D) in	8.875 x 6.61 x 3 in
Wire Size Max	#8 AWG

Material Specifications

Color	Gray
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Load Ratings

Motor Load (NC) Range(s)	1 HP, 12 FLA, 30 LRA @ 120 VAC, 50/60 Hz; 2 HP, 10 FLA, 30 LRA @ 240 VAC, 50/60 Hz
Motor Load (NO) Range(s)	1 HP, 16 FLA, 96 LRA @ 120 VAC; 2 HP, 12 FLA, 52 LRA @ 208-277 VAC
Resistive (NO) Range(s)	40 A, 120-277 VAC
Resistive (NC) Range(s)	30 A, 120-277 VAC
Electronic Ballast (NO) Range(s)	30 A, 120 VAC; 20 A, 277 VAC
Electronic Ballast (NC) Range(s)	10 A, 277 VAC
Tungsten Incandescent (NC) Range(s)	2 A, 120 VAC
Tungsten Incandescent (NO) Range(s)	15 A, 120 VAC

Electrical Specifications

Voltage Selection Type	Auto-Voltage
Wiring Option	Screw box lug
Number of Circuits	2
Switch Type	DPDT
Electrical Life	50,000 operations at full load

Packaging

Shipping Weight (kg)	0.83
Shipping Weight (lbs)	1.83
Unit Carton Dimensions (H x W x D) in	9.28 x 3.16 x 6.91 in
Units Per Pallet	216

Operating Specifications

Expected Lifetime (Operations)	6000
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Environmental Specifications

Display Operating Temperature Min (°F)	-40
Display Operating Temperature Min (°C)	-40
Temperature (operation)	-15 - 55 °C / 5 - 131 °F

Standards and Certifications

UL Certification	cULus
Other Certifications and Compatibilities	Title 20; Green Energy
UL File Number	#E10694
California Proposition 65	None
RoHS Certification	Y