

Graesslin Electronic Timer Control -

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
UPC Code	078275142428
Brand	Domestic Intermatic
Country of Origin (Intermatic)	CHINA
Warranty Period	1-Year limited

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) in	8.875 x 6.61 x 3 in
Wire Size Max	#8 AWG

Material Specifications

Color	Gray
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Load Ratings

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

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
Amperage	20 A

Packaging

Shipping Weight (lbs)	1.83
Unit Carton Dimensions (H x W x L) in	9.28 x 3.16 x 6.91 in

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)	55 °F to 131 °F / (-15 °C to 55 °C)

Standards and Certifications

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

RoHS Certification

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