

Graesslin Electronic Timer Control - 24-Hour or 7-Day 120-277V Electronic Time Control, 40A, Type 3R 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, Type 3R Outdoor Plastic Enclosure
UPC Code	078275142428
Brand	Domestic Intermatic
Country of Origin (Intermatic)	CHINA
Warranty Period	1-Year limited
Control Specifications	
Minimum ON/OFF Times	1 min
Setpoint Program Count	14
ON/OFF Operations	98
Operation Mode	24 hour; 7 day
Daylight Savings Adjustment	Manual
Backup Type	Battery
Battery Type	NiMh
Backup Protection Time	2500 Hours
Has Manual Override Status Indication	Yes

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
-------	------

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

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
--------------------------------	------

Environmental Specifications

Display Operating Temperature Min (°F)	-40
Display Operating Temperature Min (°C)	-40
Temperature (operation)	5 °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

Y