

## Graesslin Electronic Timer Control -

Item FM1D50-AV-U



### PRODUCT DESCRIPTION

The FM1D50 Series is a great value electronic time-based control solution for ventilating, heating, cooling, lighting or other electrical loads in commercial and industrial applications. These one-channel time switches are programmable for 24-hour, 7-day or Cycle timer schedules. The FM1D50 Series is intended for either panel, surface, flush or DIN rail mounting. Flush and surface/DIN rail (A & E models) are completely enclosed in a plastic housing and include a terminal cover, dust cover and subbase for installation and hard wiring.

### FEATURES

- ▶ 24-Hour, 7-day or cycle timer applications.
- ▶ 50 Setpoint programs.
- ▶ Easy to program.
- ▶ Manual override with status indication.
- ▶ Self-recharging battery with backup protection up to 2500-hours.
- ▶ LCD display.
- ▶ A models come with clear dust cover.
- ▶ Cycle timer function.

### APPLICATIONS

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

### TECHNICAL DATA

#### General

Model Number	FM1D50-AV-U
UPC Code	078275156913
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; Cycle
Daylight Savings Adjustment	Manual
Backup Type	Battery
Backup Protection Time	2500 Hours
Battery Service Type	Non-Replaceable
Mechanism Type	Digital/Electrical
Has Manual Override Status Indication	Yes
Application Compatibilities	LED
Chemical Composition of the Battery Cell	Ni-MH
On Events	25
Off Events	25
Total Events	50

#### Mechanical Specifications

## Mounting Options

Surface

**Dimensions**

Product Dimensions (H x W x D) in	2.36 x 2.36 x 0.83 in
Cut-Out Width (In)	2 5/8
Cut-Out Width (mm)	66
Cut-Out Height (in)	2 5/8
Cut-Out Height (mm)	66
Wire Size Min	#24 AWG
Wire Size Max	#10 AWG

**Material Specifications**

Color	White
Has Clear Dust Cover	Yes

**Load Ratings**

Tungsten (NO) Load Ratings	1000 W, 120 VAC
Magnetic Ballast (NO) Range(s)	8 A, 277 VAC
Magnetic Ballast (NC) Range(s)	8 A, 120 VAC
Electronic Ballast Load Ratings NO Ranges	4.9 A, 120 VAC
Motor Load Ratings NC Ranges	1/2 HP @ 120/240 VAC; 10 FLA, 60 LRA @ 250 VAC
Motor Load Ratings NO Ranges	1/2 HP @ 120 VAC; 10 FLA, 60 LRA @ 250 VAC; 1 HP @ 250 VAC

**Electrical Specifications**

Maximum Power Consumption (VA)	4
Voltage Selection Type	Voltage Specific
Wiring Option	Spade terminals for #24 to #10 AWG wire (A models)
Number of Circuits	1
Switch Type	SPDT
Maximum Power Consumption (W)	1.4 W
Amperage	15 A

**Packaging**

Shipping Weight (lbs)	0.167
Unit Carton Dimensions (H x W x L) in	1.26 x 2.36 x 2.36 in

**Operating Specifications**

Expected Lifetime (Operations)	6000
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**Environmental Specifications**

Operating Humidity	0-95% RH, Non-condensing
Display Operating Temperature Min (°F)	5
Display Operating Temperature Min (°C)	-15
Temperature (operation)	5 °F to 131 °F / (-15 °C to 55 °C)

**Standards and Certifications**

UL Certification	cRUus
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CSA Certification	cCSAus
Other Certifications and Compatibilities	CA Title 20; Green Energy
RU File Number	#E10694
California Proposition 65	None
RoHS Certification	Y