

## Graesslin Electronic Timer Control - 24-Hour or 7-Day 120-277 V Electronic Flush Mount Module, 15 A, 20 Setpoint Programs, SPDT

Item FM1D20E-AV



### PRODUCT DESCRIPTION

The FM1D20 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 or 7-day schedules with integrated cycle timer. The FM1D20 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 or 7-day applications.
- 20 Setpoint programs.
- Easy to program.
- Manual override with status indication.
- Self-recharging battery with backup protection up to 2500-hours.
- LCD display.
- A & E 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

FM1D20E-AV

Description

24-Hour or 7-Day 120-277 V Electronic Flush Mount Module, 15 A, 20 Setpoint Programs, SPDT

UPC Code

078275156852

Brand

Domestic Intermatic

Country of Origin (Intermatic)

CHINA

Warranty Period

1-Year limited

#### Control Specifications

Minimum ON/OFF Times

1 min

Setpoint Program Count

20

ON/OFF Operations

20

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
<b>Mechanical Specifications</b>	
Mounting Options	Flush
<b>Dimensions</b>	
Product Dimensions (H x W x D) in	2.83 x 2.83 x 2.06 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
<b>Material Specifications</b>	
Color	White
Has Clear Dust Cover	Yes
<b>Load Ratings</b>	
Tungsten (NO) Load Ratings	1000 W, 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
<b>Electrical Specifications</b>	
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
<b>Packaging</b>	
Shipping Weight (lbs)	0.529
Unit Carton Dimensions (H x W x L) in	2.25 x 3.25 x 3.25 in
<b>Operating Specifications</b>	
Expected Lifetime (Operations)	6000
<b>Environmental Specifications</b>	
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)
<b>Standards and Certifications</b>	
UL Certification	cRUs

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