

Graesslin Electronic Timer Control - 24-Hour or 7-Day 120-277 V Electronic Surface/DIN Rail Mount Module, 15 A, 20 Setpoint Programs, SPDT

Item FM1D20A-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	FM1D20A-AV
Description	24-Hour or 7-Day 120-277 V Electronic Surface/DIN Rail Mount Module, 15 A, 20 Setpoint Programs, SPDT
UPC Code	078275156791
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

Mechanical Specifications

Mounting Options Surface; DIN Rail

Dimensions

Product Dimensions (H x W x D) in 4 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

Material Specifications

Color White
 Has Clear Dust Cover Yes

Load Ratings

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

Electrical Specifications

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

Packaging

Shipping Weight (lbs) 0.529
 Unit Carton Dimensions (H x W x L) in 3.25 x 3.25 x 4.75 in

Operating Specifications

Expected Lifetime (Operations) 6000

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
 CSA Certification cCSAus
 Other Certifications and Compatibilities CA Title 20; Green Energy

RU File Number	#E10694
California Proposition 65	None
RoHS Certification	Y