

## Graesslin Electronic Timer Control - 24-Hour or 7-Day 120V Electronic Surface/DIN Rail Mount Module, 16A, 20 Setpoint Programs, SPDT

Item FM1D20A-120



### PRODUCT DESCRIPTION

The FM1D20 Series Electronic Time Controls are 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. They are 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
- ▶ Three preset adjustable block programs
- ▶ Easy-to-follow menu driven programming
- ▶ Manual override with status indication
- ▶ Battery backup
- ▶ Large LCD
- ▶ Daylight Saving Time adjustment
- ▶ A & E models come with clear dust cover

### APPLICATIONS

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

### TECHNICAL DATA

General	
Model Number	FM1D20A-120
Description	24-Hour or 7-Day 120V Electronic Surface/DIN Rail Mount Module, 16A, 20 Setpoint Programs, SPDT
UPC Code	078275121607
Brand	Domestic Intermatic
Country of Origin (Intermatic)	CHINA
Warranty Period	1-Year limited
Control Specifications	
Minimum ON/OFF Times	1 min
Maximum ON/OFF Times	23 hours, 59 minutes
Operation Mode	24 hour; 7 day
Daylight Savings Adjustment	Manual
Backup Type	Battery
Backup Protection Time	7 Years
Battery Service Type	Non-Replaceable; Non-Rechargeable
Mechanism Type	Digital/Electrical
Has Manual Override Status Indication	Yes
On Events	10
Off Events	10
Total Events	20

### 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) 2.625

Cut-Out Width (mm) 66

Cut-Out Height (in) 2.625

Cut-Out Height (mm) 66

Wire Size Min #24 AWG

Wire Size Max #10 AWG

### Material Specifications

Has Clear Dust Cover Yes

### Load Ratings

Magnetic Ballast (NO) Range(s) 8 A, 240 VAC; 12 A, 120 VAC

Resistive (NO) Range(s) 16 A, 277 VAC

Resistive (NC) Range(s) 16 A, 277 VAC; 8 A, 24 VDC

Pilot Duty (NO) Range(s) 360 VA, 120 VAC; 720 VA, 240 VAC

Pilot Duty (NC) Range(s) 360 VA, 120 VAC

Motor Load Ratings NO Ranges 1/2 HP @ 120 VAC; 1 HP @ 240 VAC

Tungsten Incandescent Load Ratings NO Ranges 600 W, 120 VAC; 1000 W, 240 VAC

### Electrical Specifications

Maximum Power Consumption (VA) 4

Voltage Selection Type Voltage Specific

Wiring Option Screw terminals for #24 to #10 AWG wire

Input Voltage Range(s) 120 VAC, 50/60 Hz

Number of Circuits 1

Switch Type SPDT

Maximum Power Consumption (W) 1.4 W

Hz 50/60

### 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) -13

Display Operating Temperature Min (°C) -25

Temperature (operation) -13 °F to 131 °F / (-25 °C to 55 °C)

Standards and Certifications	
Other Certifications and Compatibilities	cRUus; CE; Title 20
RU File Number	#E10694
California Proposition 65	None
RoHS Certification	Y