

## Graesslin Electronic Timer Control -

Item FM1D20A-LV



### 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
- ▶ One Cycle Timer program
- ▶ 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-LV
UPC Code	078275156814
Brand	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	2500 Hours
Battery Service Type	Non-Replaceable
Mechanism Type	Digital/Electrical
Has Manual Override Status Indication	Yes
Chemical Composition of the Battery Cell	Ni-MH
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) 66.675  
 Cut-Out Height (in) 2.625  
 Cut-Out Height (mm) 66.675  
 Wire Size Min #24 AWG  
 Wire Size Max #10 AWG

### Material Specifications

Color White  
 Has Clear Dust Cover Yes

### Load Ratings

Magnetic Ballast (NO) Range(s) 8 A, 277 VAC  
 Magnetic Ballast (NC) Range(s) 8 A, 120 VAC  
 Resistive (NO) Range(s) 15 A, 277 VAC  
 Resistive (NC) Range(s) 12 A, 24 VDC  
 Pilot Duty (NO) Range(s) B300  
 General Purpose (NC) Range(s) 15 A, 277 VAC  
 General Purpose (NO) Range(s) 15 A, 277 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; 1 HP, 240 VAC  
 Tungsten Incandescent Load Ratings NO Ranges 1000 W, 120 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  
 Amperage 16 A

### 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	Title 20; Green Energy
UL File Number	#E10694
RU File Number	#E10694
California Proposition 65	None
RoHS Certification	Y