

## Graesslin Electronic Timer Control -

Item FM1D20-120U



### 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	FM1D20-120U
UPC Code	078275116344
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 Panel

#### Dimensions

Product Dimensions (H x W x D) in	2.37 x 2.37 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

#### 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
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	1/4" Quick connect terminals
Number of Circuits	1
Switch Type	SPDT
Maximum Power Consumption (W)	1.4 W
Hz	50/60

#### Packaging

Shipping Weight (lbs)	0.1
Unit Carton Dimensions (H x W x L) in	2.25 x 3.25 x 3.25 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