

## Graesslin Electronic Timer Control -

Item FM2D50-120



### PRODUCT DESCRIPTION

The FM2D50 Series provides 2-circuit, time-based control of ventilation, 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 surface, flush or DIN rail mounting. The control is completely enclosed in a plastic housing and includes a terminal cover, dust cover and subbase for installation and hard wiring.

### FEATURES

- ▶ 24-Hour or 7-day applications
- ▶ Auto Daylight Saving Time (DST) feature
- ▶ 2-Circuit independent programming
- ▶ 50 Setpoint programs
- ▶ Two preset adjustable block programs
- ▶ Easy-to-follow, menu-driven programming
- ▶ Seven available languages: English, German, French, Italian, Spanish, Portuguese and Dutch
- ▶ Surface, Flush or DIN rail mounting (for DIN rail mounting, order MB-DIN base, sold separately)
- ▶ Manual override with status indication
- ▶ Battery backup

### APPLICATIONS

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

### TECHNICAL DATA

#### General

Model Number	FM2D50-120
UPC Code	078275116290
Brand	Domestic Intermatic
Country of Origin (Intermatic)	CHINA
Warranty Period	1-Year limited

#### Control Specifications

Minimum ON/OFF Times	1 min
Menu Languages	Dutch; English; French; German; Italian; Portuguese; Spanish
Operation Mode	24 hour; 7 day
Daylight Savings Adjustment	Automatic
Backup Type	Battery
Backup Protection Time	3 Years
Battery Service Type	Non-Replaceable; Non-Rechargeable
Mechanism Type	Digital/Electrical
Has Manual Override Status Indication	Yes
On Events	25
Off Events	25
Total Events	50

### Mechanical Specifications

Mounting Options	Flush; Surface; DIN Rail
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### Dimensions

Product Dimensions (H x W x D) in	4 x 2.83 x 2.28 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

### Load Ratings

Magnetic Ballast (NC) 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
Tungsten Load Ratings NC Ranges	600 W, 120 VAC; 1000 W, 240 VAC
Tungsten (NO) Range(s)	600 W, 120 VAC; 1000 W, 240 VAC
Motor Load Ratings NC Ranges	1/2 HP, 120 VAC; 1 HP, 240 VAC
Motor Load Ratings NO Ranges	1/2 HP, 120 VAC; 1 HP, 240 VAC

### Electrical Specifications

Maximum Power Consumption (VA)	4
Voltage Selection Type	Voltage Specific
Wiring Option	Screw terminals for #24 to #10 AWG wire
Number of Circuits	2
Switch Type	2xSPDT
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	2.625 x 3.43 x 4.375 in

### Operating Specifications

Expected Lifetime (Operations)	6000
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### 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; Title 20; CE
RU File Number	#E10694

California Proposition 65	None
RoHS Certification	Y

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## ACCESSORIES



MB-DIN  
DIN Rail mounting Base for FM2D50 timer