

24-Hour or 7-Day 120V Electronic Panel Mount Module, 16A, 20 Setpoint Programs, SPDT

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
Description	24-Hour or 7-Day 120V Electronic Panel Mount Module, 16A, 20 Setpoint Programs, SPDT
UPC Code	078275116344
Country of Origin (Intermatic)	CHINA
Warranty Period	1-Year limited
IGCC	5191
UNSPSC	39122208
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
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Dimensions

Product Dimensions (H x W x D) mm	60.1 x 60.1 x 52 mm
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

Motor Load (NO) Range(s)	1/2 HP @ 120 VAC; 1 HP @ 240 VAC
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
Tungsten Incandescent (NO) Range(s)	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
Input Voltage Range(s)	120 VAC, 50/60 Hz
Number of Circuits	1
Switch Type	SPDT
Maximum Power Consumption (W)	1.4 W

Packaging

Shipping Weight (kg)	0.045
Shipping Weight (lbs)	0.1
Unit Carton Dimensions (H x W x D) in	2.25 x 3.25 x 3.25 in
Units Per Pallet	1596

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)	-25 - 55 °C / -13 - 131 °F

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