

24-Hour or 7-Day 12/24V Electronic Surface/DIN Rail Mount Module, 16A, 20 Setpoint Programs, SPDT

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
Description	24-Hour or 7-Day 12/24V Electronic Surface/DIN Rail Mount Module, 16A, 20 Setpoint Programs, SPDT
UPC Code	078275156814
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
Time Presets	Flexible
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
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Dimensions

Product Dimensions (H x W x D) mm	101.6 x 71.882 x 52.324 mm
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

Motor Load (NC) Range(s)	1/2 HP @ 120/240 VAC; 10 FLA, 60 LRA @ 250 VAC
Motor Load (NO) Range(s)	1/2 HP @ 120 VAC; 1 HP @ 240 VAC
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 (NO) Range(s)	4.9 A, 120 VAC
Tungsten Incandescent (NO) Range(s)	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

Packaging

Shipping Weight (kg)	0.24
Shipping Weight (lbs)	0.529
Unit Carton Dimensions (H x W x D) in	3.25 x 3.25 x 4.75 in

Units Per Pallet	1080
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Operating Specifications

Expected Lifetime (Operations)	6000
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Environmental Specifications

Operating Humidity	0-95% RH, Non-condensing
Display Operating Temperature Min (°F)	5
Display Operating Temperature Min (°C)	-15
Temperature (operation)	-15 - 55 °C / 5 - 131 °F

Standards and Certifications

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