INTERMATIC®

Graesslin Electronic Timer Control - 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
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
Setpoint Program Count	20
ON/OFF Operations	140
Operation Mode	24 hour; 7 day
Daylight Savings Adjustment	Manual
Backup Type	Battery
Backup Protection Time	2500 Hours
Battery Service Type	Non-replaceable; Non-rechargeable
Mechanism Type	Digital/Electrical

Has Manual Override Status Indication	Yes

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

Tungsten (NO) Load Ratings	1000 W, 120 VAC
Magnetic Ballast (NO) Range(s)	8 A, 277 VAC
Magnetic Ballast (NC) Range(s)	8 A, 277 VAC
Resistive (NO) Range(s)	15 A, 277 VAC
Resistive (NC) Range(s)	15 A, 277 VAC
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
Tungsten (NO) Range(s)	8 A, 277 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

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 (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

Technical specifications and other information are subject to change without notice. Images can vary from original.

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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)	5 °F to 131 °F / (-15 °C to 55 °C)

Standards and Certifications

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