INTERMATIC

Graesslin Electronic Timer Control - 24-Hour or 7-Day 12/24 VDC, 24 VAC Electronic Panel Mount Module, 15 A, 50 Setpoint Programs, SPDT

Item FM1D50-LV

PRODUCT DESCRIPTION

The FM1D50 Series is a great value electronic time-based control solution for ventilating, heating, cooling, lighting or other electrical loads in commercial and industrial applications. These one-channel time switches are programmable for 24-hour, 7-day or Cycle timer schedules. The FM1D50 Series is 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, 7-day or cycle timer applications.
► 50 Setpoint programs.
► Easy to program.
► Manual override with status indication.
► Self-recharging battery with backup protection up to 2500-hours.
► LCD display.
► Cycle timer function.

APPLICATIONS

► Refrigeration Merchandiser
► Air Movement & Ventilation
► Aeration
► Septic Treatment
► Generator Exercising

TECHNICAL DATA

General	
Model Number	FM1D50-LV
Description	24-Hour or 7-Day 12/24 VDC, 24 VAC Electronic Panel Mount Module, 15 A, 50 Setpoint Programs, SPDT
UPC Code	078275156920
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	50
ON/OFF Operations	50
Operation Mode	24 hour; 7 day; Cycle
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
Application Compatibilities	LED
Chemical Composition of the Battery Cell	Ni-MH

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Mechanical Specifications

Mounting Options	Panel

Dimensions

Product Dimensions (H x W x D) in	2.36 x 2.36 x 0.83 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

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; 10 FLA, 60 LRA @ 250 VAC; 1 HP @ 250 VAC

Electrical Specifications

Maximum Power Consumption (VA)	4
Voltage Selection Type	Voltage Specific
Wiring Option	Spade 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)	0.1
Unit Carton Dimensions (H x W x L) in	1.25 x 2.375 x 2.375 in

Operating Specifications

Expected Lifetime (Operations)	6000

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