

Graesslin Electronic Timer Control -

Item FM1D20A-120



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 | FM1D20A-120 |
| UPC Code | 078275121607 |
| Brand | Domestic 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 |
| 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

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 |
| Cut-Out Height (in) | 2.625 |
| Cut-Out Height (mm) | 66 |
| Wire Size Min | #24 AWG |
| Wire Size Max | #10 AWG |

Material Specifications

| | |
|----------------------|-----|
| Has Clear Dust Cover | Yes |
|----------------------|-----|

Load Ratings

| | |
|--|---------------------------------|
| 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 |
| Motor Load Ratings NO Ranges | 1/2 HP, 120 VAC; 1 HP, 240 VAC |
| Tungsten Incandescent Load Ratings NO Ranges | 600 W, 120 VAC; 1000 W, 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 | 1 |
| Switch Type | SPDT |
| Maximum Power Consumption (W) | 1.4 W |
| Hz | 50/60 |

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 |
|--------------------------------|------|

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; CE; Title 20 |
| RU File Number | #E10694 |
| California Proposition 65 | None |

RoHS Certification

Y