

Graesslin Electronic Timer Control -

Item FM1D20A-24



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
- ▶ 22 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-24                        |
| UPC Code                              | 078275121669                      |
| 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 |       |
|-------------------------|-------|
| Color                   | White |
| Has Clear Dust Cover    | Yes   |

| Load Ratings                   |                                 |
|--------------------------------|---------------------------------|
| Tungsten (NO) Load Ratings     | 600 W, 120 VAC; 1000 W, 240 VAC |
| Magnetic Ballast (NO) Range(s) | 8 A, 240 VAC; 12 A, 120 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 |
| 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                   |