

## Graesslin Electronic Timer Control - 24-Hour or 7-Day 120-277V Electronic Flush Mount Module, 15A, 20 Setpoint Programs, SPDT

Item FM1D20E-AV



### PRODUCT DESCRIPTION

The FM1D20 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 or 7-day schedules with integrated cycle timer. The FM1D20 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 or 7-day applications
- ▶ 20 Setpoint programs
- ▶ Easy to program
- ▶ Manual override with status indication
- ▶ Self-recharging battery with backup protection up to 2500-hours
- ▶ LCD display
- ▶ A & E models come with clear dust cover
- ▶ Cycle Timer Function

### APPLICATIONS

- ▶ Refrigeration Merchandiser
- ▶ Air Movement & Ventilation
- ▶ Aeration
- ▶ Septic Treatment
- ▶ Generator Exercising

### TECHNICAL DATA

| General         |  |
|-----------------|--|
| Model Number    | FM1D20E-AV   |
| Description     | 24-Hour or 7-Day 120-277V Electronic Flush Mount Module, 15A, 20 Setpoint Programs, SPDT |
| UPC Code        | 078275156852   |
| Brand           | Domestic Intermatic  |
| Warranty Period | 1-Year limited   |

| Control Specifications                |                       |
|---------------------------------------|-----------------------|
| Minimum ON/OFF Times                  | 1 min                 |
| Setpoint Program Count                | 20                    |
| ON/OFF Operations                     | 20                    |
| Operation Mode                        | 24 hour; 7 day; Cycle |
| Daylight Savings Adjustment           | Manual                |
| Backup Type                           | Battery               |
| Backup Protection Time                | 2500 Hours            |
| Battery Service Type                  | Self-recharging       |
| Mechanism Type                        | Digital/Electrical    |
| Has Manual Override Status Indication | Yes                   |
| Application Compatibilities           | LED                   |

### Mechanical Specifications

Mounting Options Flush

### Dimensions

|                                   |                    |
|-----------------------------------|--------------------|
| Product Dimensions (H x W x D) in | 4 x 2.83 x 2.06 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

|                              |  |
|------------------------------|--|
| 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                  | Screw terminals for #24 to #10 AWG wire (A models) |
| Number of Circuits             | 1  |
| Switch Type                    | SPDT   |
| Maximum Power Consumption (W)  | 1.4 W  |

### 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 135 °F / (-15 °C to 55 °C) |

### Standards and Certifications

|  |                 |
|--|-----------------|
| Other Certifications and Compatibilities | cRUUs; Title 20 |
| RU File Number                           | #E10694         |
| California Proposition 65                | None            |
| RoHS Certification                       | Yes             |

## DRAWINGS AND DIAGRAMS

