

## Graesslin Electronic Timer Control -

Item FM2D50-240



### PRODUCT DESCRIPTION

The FM2D50 Series provides 2-circuit, time-based control of ventilation, 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 surface, flush or DIN rail mounting. The control is completely enclosed in a plastic housing and includes a terminal cover, dust cover and subbase for installation and hard wiring.

### FEATURES

- ▶ 24-Hour or 7-day applications
- ▶ Auto Daylight Saving Time (DST) feature
- ▶ 2-Circuit independent programming
- ▶ 50 Setpoint programs
- ▶ Two preset adjustable block programs
- ▶ Easy-to-follow, menu-driven programming
- ▶ Seven available languages: English, German, French, Italian, Spanish, Portuguese and Dutch
- ▶ Surface, Flush or DIN rail mounting (for DIN rail mounting, order MB-DIN base, sold separately)
- ▶ Manual override with status indication
- ▶ Battery backup

### APPLICATIONS

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

### TECHNICAL DATA

| General                               |  |
|---------------------------------------|--|
| Model Number                          | FM2D50-240   |
| UPC Code                              | 078275116313   |
| Brand                                 | Domestic Intermatic  |
| Country of Origin (Intermatic)        | CHINA  |
| Warranty Period                       | 1-Year limited   |
| Control Specifications                |  |
| Minimum ON/OFF Times                  | 1 min  |
| Menu Languages                        | Dutch; English; French; German; Italian; Portuguese; Spanish |
| Operation Mode                        | 24 hour; 7 day   |
| Daylight Savings Adjustment           | Automatic  |
| Backup Type                           | Battery  |
| Backup Protection Time                | 3 Years  |
| Battery Service Type                  | Non-Replaceable; Non-Rechargeable                            |
| Mechanism Type                        | Digital/Electrical   |
| Has Manual Override Status Indication | Yes  |
| On Events                             | 25   |
| Off Events                            | 25   |
| Total Events                          | 50   |

### Mechanical Specifications

|                  |                          |
|------------------|--------------------------|
| Mounting Options | Flush; Surface; DIN Rail |
|------------------|--------------------------|

### Dimensions

|                                   |                          |
|-----------------------------------|--------------------------|
| Product Dimensions (H x W x D) in | 2.60; 4 x 2.83 x 2.28 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                  |

### Load Ratings

|                                |                                 |
|--------------------------------|---------------------------------|
| Tungsten (NO) Load Ratings     | 600 W, 120 VAC; 1000 W, 240 VAC |
| Magnetic Ballast (NC) Range(s) | 8 A, 240 VAC; 12 A, 120 VAC     |
| Motor Load Ratings NC Ranges   | 1/2 HP, 120 VAC; 1 HP, 240 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             | 2                                       |
| Switch Type                    | 2xSPDT                                  |
| Maximum Power Consumption (W)  | 1.4 W                                   |

### Packaging

|                                       |                         |
|---------------------------------------|-------------------------|
| Shipping Weight (lbs)                 | 0.1                     |
| Unit Carton Dimensions (H x W x L) in | 2.625 x 3.43 x 4.375 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; Title 20; CE |
| RU File Number                           | #E10694             |
| California Proposition 65                | None                |
| RoHS Certification                       | Y                   |

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## ACCESSORIES



MB-DIN  
DIN Rail mounting Base for FM2D50 timer