

## Graesslin Mechanical Time Switch - 24-Hour 208/240V Electromechanical Panel Mount Timer Module with Manual Override, 15 Minute Intervals, 21A, SPDT

Item FM1STUZH-240U



### PRODUCT DESCRIPTION

The FM1 series timer modules are designed to be integrated inside of a machine control panel, circuit board, or other equipment. They are a simple and low cost alternative for applications that do not require more than 21 A or 2 HP, 240 VAC. The FM1 is designed for 24-hour or 7-day control or overriding a functional typical state of a heating, ventilation, refrigeration, lighting, security, or pump system. The FM1 series is ideal for 12, 24 VAC/VDC, 120 or 208/240VAC single-phase general applications.

### FEATURES

- ▶ 21 A SPDT Switch
- ▶ Captive trippers with 15-minute intervals on 24-hour models and 2-hour intervals on 7-day models
- ▶ 72-hour carry-over battery backup on Q models
- ▶ Noise immune – ideal for robust applications
- ▶ Synchronous drive or quartz drive Q models with self-recharging battery backup
- ▶ True clock face, easy-to-set
- ▶ Available with or without override
- ▶ Compact size
- ▶ Clear plastic cover (DC-FME-A), sold separately
- ▶ Standalone or with indoor/outdoor enclosure, sold separately

### APPLICATIONS

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

### TECHNICAL DATA

| General                        |  |
|--------------------------------|--|
| Model Number                   | FM1STUZH-240U  |
| Description                    | 24-Hour 208/240V Electromechanical Panel Mount Timer Module with Manual Override, 15 Minute Intervals, 21A, SPDT |
| UPC Code                       | 078275152830   |
| Brand                          | Domestic Intermatic  |
| Country of Origin (Intermatic) | MEXICO   |
| Warranty Period                | 1-Year limited   |
| Control Specifications         |  |
| Minimum Cycle Time             | 15 min   |
| Maximum Cycle Time             | 24 hrs   |
| Timing Interval                | 15 min   |
| Clock Drive Type               | Synchronous  |
| Mechanism Type                 | Electromechanical  |
| Has Captive Trippers           | Yes  |
| Has Override Switch            | Yes  |
| Has Real-time Clock Face       | Yes  |
| Application Compatibilities    | Incandescent; Fluorescent; CFL   |

### Mechanical Specifications

|                             |       |
|-----------------------------|-------|
| Mounting Options            | Panel |
| Number of Trippers Included | 96    |

### Dimensions

|                                   |                         |
|-----------------------------------|-------------------------|
| Product Dimensions (H x W x D) in | 2.359 x 2.359 x 1.25 in |
|-----------------------------------|-------------------------|

### Material Specifications

|       |       |
|-------|-------|
| Color | Black |
|-------|-------|

### Load Ratings

|  |                                |
|--|--------------------------------|
| Resistive (NO) Range(s)                      | 21 A, 250 VAC                  |
| Motor Load Ratings NO Ranges                 | 1 HP @ 120 VAC; 2 HP @ 250 VAC |
| Tungsten Incandescent Load Ratings NO Ranges | 1350 W, 120 VAC                |

### Electrical Specifications

|                                |                              |
|--------------------------------|------------------------------|
| Maximum Power Consumption (VA) | 1                            |
| Wiring Option                  | 1/4" Quick connect terminals |
| Input Voltage Range(s)         | 208/240 VAC, 60 Hz           |
| Switch Type                    | SPDT                         |
| Hz                             | 60                           |

### Display and Format

|                         |                   |
|-------------------------|-------------------|
| Shortest switching time | ON/OFF 15 minutes |
|-------------------------|-------------------|

### Packaging

|                                       |                       |
|---------------------------------------|-----------------------|
| Shipping Weight (lbs)                 | 0.22                  |
| Unit Carton Dimensions (H x W x L) in | 2.25 x 3.25 x 3.25 in |

### Environmental Specifications

|                         |                                      |
|-------------------------|--------------------------------------|
| Operating Humidity      | 0 to 95%, Non-condensing             |
| Temperature (operation) | -40 °F to 185 °F / (-40 °C to 85 °C) |

### Standards and Certifications

|  |              |
|--|--------------|
| UL Certification                         | cRUus        |
| CSA Certification                        | cCSAus       |
| Other Certifications and Compatibilities | Green Energy |
| UL File Number                           | E10694       |
| California Proposition 65                | None         |
| RoHS Certification                       | N/A          |

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**ACCESSORIES**



DC-FME-A  
Clear Dust Cover for Electronic Panel  
Mount Timers



FM-SU  
FM1 Surface/DIN Rail Kit



FM-FU  
FM1 Flush Mount Housing Kit



E200  
Case-Outdoor, Type 3R Plastic, Gray



E150  
Case-Indoor, Type 1 Plastic, Gray