

Graesslin Mechanical Time Switch - 24-Hour 12/24V Electromechanical Panel Mount Timer Module with Battery Backup, 15 Minute Intervals, 21A, SPDT

Item FM1QTUZ-24U



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 | FM1QTUZ-24U |
| Description | 24-Hour 12/24V Electromechanical Panel Mount Timer Module with Battery Backup, 15 Minute Intervals, 21A, SPDT |
| UPC Code | 078275152571 |
| Brand | Domestic Intermatic |
| Country of Origin (Intermatic) | MEXICO |
| Warranty Period | 1-Year limited |
| Control Specifications | |
| Maximum Cycle Time | 24 hrs |
| Timing Interval | 15 min |
| Clock Drive Type | Quartz |
| Backup Type | 72-hour Carry-over; Battery; Self-recharging |
| Backup Protection Time | 72 Hours |
| Battery Service Type | Non-Replaceable |
| Mechanism Type | Electromechanical |
| Has Captive Trippers | Yes |
| Has Real-time Clock Face | Yes |
| Application Compatibilities | Incandescent; Fluorescent; CFL; LED |

Chemical Composition of the Battery Cell

Ni-MH

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

| | |
|---------------------------|--|
| Motor Load Ratings Ranges | 1 HP, 120 VAC, 50/60 Hz; 2 HP, 240 VAC, 50/60 Hz |
|---------------------------|--|

Electrical Specifications

| | |
|--------------------------------|------------------------------|
| Maximum Power Consumption (VA) | 1 |
| Wiring Option | 1/4" Quick connect terminals |
| Switch Type | SPDT |
| Hz | 50/60 |

Display and Format

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

Packaging

| | |
|---------------------------------------|-----------------------|
| Shipping Weight (lbs) | 0.239 |
| 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) | -4 °F to 131 °F / (-20 °C to 55 °C) |
| Operating Temperature with Battery Backup | -4° F to 131° F (-20° C to 55° 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 |