

## 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	
Minimum Cycle Time	15 min
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
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#### Material Specifications

Color	Black
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#### Load Ratings

Resistive (NO) Range(s)	21 A, 120-250 VAC
Motor Load Ratings NO Ranges	1 HP @ 120 VAC; 2 HP @ 240 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)	12/24 VDC, 12/24 VAC, 50/60 Hz
Switch Type	SPDT
Hz	50/60

#### Display and Format

Shortest switching time	ON/OFF 15 minutes
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#### 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