

## Graesslin Mechanical Time Switch - 24-Hour 120V Electromechanical Panel Mount Timer Module with Battery Backup and Manual Override, 15 Minute Intervals, 21A, SPDT

Item FM1QTUZH-120U



### 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	FM1QTUZH-120U
Description	24-Hour 120V Electromechanical Panel Mount Timer Module with Battery Backup and Manual Override, 15 Minute Intervals, 21A, SPDT
UPC Code	078275152618
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 Override Switch	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)	120 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)	0.24
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

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## ACCESSORIES



FM1QTUZH-24U

24-Hour 12/24V Electromechanical Panel Mount Timer Module with Battery Backup and Manual Override, 15 Minute Intervals, 21A, SPDT