

## Graesslin Mechanical Time Switch - 7-Day 120V Electromechanical Panel Mount Timer Module, 2 Hour Intervals, 21A, SPDT

Item FM1SWUZ-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	FM1SWUZ-120U
Description	7-Day 120V Electromechanical Panel Mount Timer Module, 2 Hour Intervals, 21A, SPDT
UPC Code	078275153066
Brand	Domestic Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	1-Year limited

Control Specifications	
Minimum Cycle Time	2 hrs
Maximum Cycle Time	7 days
Timing Interval	2 hrs
Clock Drive Type	Synchronous
Mechanism Type	Electromechanical
Has Captive Trippers	Yes
Has Real-time Clock Face	Yes
Application Compatibilities	Incandescent; Fluorescent; CFL; LED

### 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, 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)	120 VAC, 60 Hz
Switch Type	SPDT
Hz	60

#### Display and Format

Shortest switching time	ON/OFF 2 hours
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#### 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