

Project: _____

Location: _____

Product Type: _____

Contact/Phone: _____

Model #: _____

FM1 Series

Panel Mount Timer Modules

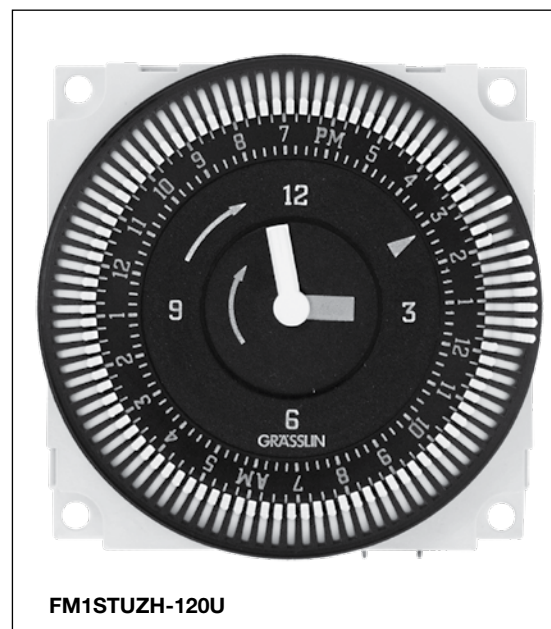
The FM1 Series Electromechanical Timer Modules are designed to be placed inside a machine control panel, circuit board, or other equipment. They offer up to 21 Amp switching designed for control of heating, ventilation, air conditioning, refrigeration, lighting, security, circulating pumps, spas, OEM applications, or any electrical load requiring 24-Hour or 7-Day scheduling.

Features

- 21 Amp SPDT Switch
- Captive Trippers with 15-minute intervals on 24-Hour models and 2-hour intervals on 7-Day models
- ¼" quick-connect terminals
- Noise Immune – ideal for robust applications
- Synchronous drive or quartz drive with battery backup
- True clock face, easy-to-set
- Available with or without override
- Compact size

Ratings

| | |
|------------------------|--|
| Size: | 2.36" H x 2.36" W x 1.25" D |
| Supply Voltage: | 24, 120, 240 VAC, 60 Hz models |
| Quartz: | 24 VAC/DC, 120, 240 VAC 50/60 Hz |
| Power Consumption: | 1 VA |
| Switch Type: | SPDT |
| Switch Rating: | 21A Resistive @ 120-250 VAC 1 HP @ 120 VAC 2 HP @ 250 VAC 1350 W Tungsten @ 240 VAC |
| Wiring Connections: | ¼" quick-connect terminals |
| Operating Temperature: | -40°F to 185°F (-40°C to 85°C) -4°F to 131°F (-20°C to 55°C) with battery backup |
| Installation: | Standalone or with Indoor/Outdoor enclosure |
| Battery Backup Option: | 7 Days |
| Shipping Weight: | .15 lbs. |



| Model Number | Switch Program | Carryover | Program ON/OFF Every | Minimum ON/OFF Time | Switch Output | |
|-------------------------|----------------|-----------|----------------------|---------------------|---------------|---------------|
| | | | | | Type | Rating |
| FM1 STuZ (synchronous)† | 24-Hour | No | 15 Minutes | 15 Minutes | SPDT | 21A Resistive |
| FM1 SWuZ (synchronous)† | 7-Day | No | 2 Hours | 2 Hours | SPDT | 21A Resistive |
| FM1 QTuZ (quartz)† | 24-Hour | 7-Day | 15 Minutes | 15 Minutes | SPDT | 21A Resistive |
| FM1 QWuZ (quartz)† | 7-Day | 7-Day | 2 Hours | 2 Hours | SPDT | 21A Resistive |

†For override switch: Add "H"

*Quartz models operate on 12-24 VAC/VDC, 120 and 240 VAC, and 50/60 Hz

Specification

Furnish and install a Grässlin FM1 _____ (24-Hour)(7-Day) timer module with _____ (15-Minute)(2-Hour) interval captive trippers and _____ (Quartz)(Synchronous) drive. Input voltage shall be _____ (24 VAC)(120 VAC) (240 VAC) and SPDT switch contacts shall be rated at:

- 21A Resistive
- 2 HP @ 250 VAC

To set the starting time and to provide time indication, the unit shall incorporate an authentic clock face. For override, the timer module shall contain a 3-way OFF/AUTO/ON switch. For carryover, the timer module shall have a quartz drive with 7-Day reserve carryover from a rechargeable battery. Installation for panel mounting.

Diagrams

