

## FM1D50 Series

### One Channel Panel Mount

The FM1D50 Series One Channel Electronic Time Switches are compact 24-Hour/7-Day modules with heavy-duty relay contacts for switching low or line voltage loads. The time switches are applicable for time-of-day control of pumps, fans, heaters, HVAC control circuits, lighting, machinery, and many other types of commercial, industrial, and agricultural equipment.

### Features

- 24-Hour or 7-Day applications
- 50 setpoint programs
- 2 Preset adjustable block programs
- Easy-to-follow menu driven programming
- Manual override with status indication
- Battery backup
- Large LCD
- 7 Available Languages:  
English, German, French, Italian, Spanish, Portuguese, Dutch
- Auto daylight savings time feature

### Ratings

|                        |                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size:                  | 2.37" x 2.37" (60.1 mm x 60.1 mm)                                                                                                                                                                                          |
| Power Consumption:     | 4VA                                                                                                                                                                                                                        |
| Supply Voltage:        | 12, 24, 120, 240 VAC                                                                                                                                                                                                       |
| Switch Rating:         | SPDT relay                                                                                                                                                                                                                 |
| N.O. Contact:          | 16A Resistive, 277 VAC<br>1/2 HP, 120 VAC<br>1 HP, 240 VAC<br>12A, Ballast 120 VAC<br>8A, Ballast 240 VAC<br>720 VA, 240 VAC Pilot Duty<br>360 VA, 120 VAC Pilot Duty<br>600W, Tungsten 120 VAC<br>1000W, Tungsten 240 VAC |
| N.C. Contact:          | 16A, 277 VAC Resistive<br>8A, 24 VDC<br>360 VA, 120 VAC Pilot Duty                                                                                                                                                         |
| Wiring Connections:    | 1/4" quick connect terminals                                                                                                                                                                                               |
| Operating Temperature: | -13°F to 131°F (-25°C to 55°C)<br>(limited display function at 13°F)                                                                                                                                                       |
| Shipping Weight:       | .10 lbs.                                                                                                                                                                                                                   |
| Warranty:              | Limited 1 year                                                                                                                                                                                                             |

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Product Type: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

Model #: \_\_\_\_\_



| Model Number | Voltage              | Programs | Mounting |
|--------------|----------------------|----------|----------|
| FM1D50-12*   | 12 VAC/VDC, 50/60 Hz | 50       | Panel    |
| FM1D50-24*   | 24 VAC/VDC, 50/60 Hz | 50       | Panel    |
| FM1D50-120   | 120 VAC, 50/60 Hz    | 50       | Panel    |
| FM1D50-240   | 240 VAC, 50/60 Hz    | 50       | Panel    |

\*12 & 24V model will operate on AC or DC

## Specification

Furnish and install a Grässlin FM1D50\_\_\_ 24-Hour/7-Day electronic time switch. This 1-circuit control shall have 24-Hour/7-Day programming. The timer shall also offer 25 ON and 25 OFF setpoint programs and include 2 preset block programs to allow a selection of any combination of days for different weekday schedules. The LCD shall display time-of-day in AM/PM or 24-Hour (military time) format and provide load status indication. Auto Daylight Saving Time adjustment provided. The time switch will be programmable to-the-minute and also offer a manual override for ON or OFF to the next scheduled event. The SPDT relay output will be rated for 16A Resistive @ 277 VAC. Reserve carryover of 3 years (non-replaceable, non-rechargeable battery).

## Diagrams

