

<http://waterheatertimer.org/Timer-modules.html>

FM2D50 Series

2 Channel Surface and Flush Mount

The FM2D50 Series 2 Channel Electronic Time Switches are compact, 24-Hour/7-Day modules with heavy-duty relay contacts for switching low or line voltage loads. The timers 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
- Auto Daylight Saving Time (DST) feature
- 50 setpoint programs
- 2 preset adjustable block programs
- Easy-to-follow menu driven programming
- Available in English, German, French, Italian, Spanish, Portuguese, and Dutch
- Surface/Flush mount, DIN Rail
- Manual override with load switch indication
- Battery Backup
- Large LCD
- Clear Dust Cover

Ratings

Size:	2.83" x 2.83" (72 mm x 72 mm)
Supply Voltage:	24, 120, 240 VAC
Switch Rating:	2x SPDT Relay
N.O. and N.C. Contact:	½ HP, 120 VAC 1 HP, 240 VAC 16A, 277 VAC Resistive 12A, Ballast 120 VAC 8A, Ballast 240 VAC 720 VA, 240 VAC Pilot Duty 360 VA, 120 VAC Pilot Duty 600W, Tungsten 120 VAC 1000W, Tungsten 240 VAC
Wiring Connections:	Screw terminals for #10 to #24 AWG Wire for surface and DIN rail mount
Operating Temperature:	-13°F to 131°F (-25°C to 55°C) (limited display function at -13°F)
Warranty:	Limited 1 year



FM2D50-120

Model Number	Volts AC	Programs	Mounting
FM2D50-24*	24 VAC, 50/60 Hz	50	Flush, Surface, **DIN rail
FM2D50-120	120 VAC, 50/60 Hz	50	Flush, Surface, **DIN rail
FM2D50-240	240 VAC, 50/60 Hz	50	Flush, Surface, **DIN rail

*24V model will operate on AC or DC

**For DIN Rail Mounting, order accessory, MB-DIN (DIN Rail Mounting Base)

Specification

Furnish and install a Grässlin FM2D50 _____ 24-Hour/7-Day electronic time switch. This 2-channel control shall have 24-Hour/7-Day programming and also offer 25 ON and 25 OFF setpoint programs and include 2 preset block programs that allow 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). The time switch shall be surface or flush mountable with a DIN Rail mounting base optional.

Diagrams

