

<http://waterheatertimer.org/Programmable.html#module>

## FM1D14 Series

### One Channel Panel Mount

The FM1D14 Series One Channel Electronic Time Switches are compact electronic 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
- 14 setpoint programs
- Easy-to-follow menu driven programming
- Manual override with status indication
- Rechargeable battery with backup protection up to 2500 hours
- LCD display
- 5 preset adjustable block programs

#### Ratings

Size:	2.36" x 2.36" (60 mm x 60 mm)
Power Consumption:	1.4 W
Supply Voltage:	12 VDC, 24 VAC/VDC, 120-277 VAC, 50/60 Hz
Switch Rating:	SPDT relay
N.O. Contact:	15A, 277 VAC, General Use 10 FLA, 60 LRA, 250 VAC ½ HP, 120 VAC 1 HP, 250 VAC 1000 W, 120 VAC, Tungsten 8 A, 277 VAC, Ballast B300 Pilot Duty 4.9 A, 120 VAC, Electronic Ballast
N.C. Contact:	15 A, 277 VAC, General Use 10 FLA, 60 LRA, 250 VAC ½ HP, 120/240 VAC 12 A, 24 VDC, Resistive 8 A, 120 VAC, Ballast
Wiring Connections:	¼" quick connect terminals
Operating Temperature:	-40°F to 131°F (-40°C to 55°C) (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
FM1D14-12*	12 VDC	14	Panel
FM1D14-24	24 VAC/VDC	14	Panel
FM1D14-AV	120-277 VAC	14	Panel

\*24V model will operate on AC or DC

## Specification

Furnish and install a Grässlin FM1D14 24-Hour/7-Day electronic time switch. This 1-circuit control shall have 24-Hour/7-Day programming, 7 ON and 7 OFF setpoint programs, and 5 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 format. A Daylight Saving Time adjustment button shall also be provided. The time switch will be programmable to-the-minute and also offer a manual override for temporary ON or OFF to the next scheduled event. The LCD shall provide load status indication. The SPDT relay output will be rated for 15A General Use @277 VAC. For carryover, the timer module shall have a rechargeable battery with 2500 hour reserve carryover.

## Diagrams

