

<http://waterheatertimer.org/Intermatic-timers-and-manuals.html#FMD>

## FM1D20 Series

### One Channel Panel Mount

The FM1D20 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
- 20 setpoint programs
- 3 preset adjustable block programs
- Easy-to-follow menu driven programming
- Manual override with status indication
- Battery backup
- Large LCD

#### Ratings

Size:	2.37" x 2.37" (60.1 mm x 60.1 mm)
Power Consumption:	4VA
Supply Voltage:	24, 120, 240 VAC
Switch Rating:	SPDT relay
N.O. Contact:	½ HP, 120 VAC 1 HP, 240 VAC 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
N.C. Contact:	16A, 277 VAC Resistive 8A, 24 VDC Pilot Duty 360 VA, 120 VAC Pilot Duty
Wiring Connections:	¼" quick connect terminals
Operating Temperature:	-13°F to 131°F (-25°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
FM1D20-24*	24 VDC, 50/60Hz	20	Panel
FM1D20-120	120 VAC, 50/60Hz	20	Panel
FM1D20-240	240 VAC, 50/60Hz	20	Panel

\*24V model will operate on AC or DC

## Specification

Furnish and install a Grässlin FM1D20 24-Hour/7-Day electronic time switch. This 1-circuit control shall have 24-Hour/7-Day programming, 10 ON and 10 OFF setpoint programs, and 3 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. 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 16A Resistive @277 VAC. Reserve carryover of 7 years (non-replaceable, non-rechargeable battery).

## Diagrams

