

# Modular Electronic Time Controls

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

## FMD Series 24-Hour/7-Day Electronic Time Switches

These timer modules offer versatile programming for either 24-hour or 7-day applications.

### Features:

- 24-Hour or 7-day applications
- 24, 120 and 240 VAC input
- 12V and 24V single channel models can operate on either AC or DC voltage
- Easy to follow menu-led programming (available in 7 languages, English is default)
- All programming stored in non-volatile memory
- Various mounting types provide complete versatility for all applications
- Minimum ON/OFF 1 minute
- Manual override: Switch allows for manual operation until next programmed event
- Battery backup: Lithium battery included provides minimum 3-year date and time protection
- Large LCD display
- FM1D20: 20 programs, up to 140 events per week
- FM1D50: 50 programs, up to 350 events per week

### Specifications:

Product ratings at 24, 120 and 240 VAC Input –

#### N.O. contact

16 Amp, 277 Resistive

**Ballast:** 12 Amp, 120 VAC;

8 Amp, 240 VAC

**Tungsten:** 1000 W, 240 VAC;

600 W, 120 VAC;

½ HP, 120 VAC; 1 HP, 240 VAC

**Pilot Duty:** 720 VA, 240 VAC;

360 VA, 120 VAC

#### N.C. Contact

16 Amp, 277 VAC Resistive;

¾ HP, 120 VAC; ¾ HP, 240 VAC

**Pilot Duty:** 720 VA – 240 VAC;

360 VA – 120 VAC



Product ratings at 12/24 VAC/VDC Input –

#### N.O. Contact

16 Amp, 277 VAC Resistive

**Ballast:** 12 Amp, 120 VAC;

8 Amp, 240 VAC

**Tungsten:** 1000 W – 240 VAC;

600 W, 120 VAC; ½ HP, 120 VAC;

1 HP, 240 VAC

**Pilot Duty:** 720 VA, 240 VAC;

360 VA, 120 VAC

#### N.C. Contact

16 Amp, 277 Resistive

**Ballast:** 4 Amp, 240-120 VAC;

¾ HP, 120 VAC; ¾ HP, 240 VAC

**Pilot Duty:** 720 VA, 240 VAC;

360 VA, 120 VAC

Model #	Voltage	# of Circuits	Switch Rating	Programs
FM1D20-120U	120 VAC	1	SPDT, 16 Amp	20
FM1D20-24U	24 VAC/VDC	1	SPDT, 16 Amp	20
FM1D20-240U	240 VAC	1	SPDT, 16 Amp	20
FM1D50-12U	12 VAC/VDC	1	SPDT, 16 Amp	50
FM1D50-120U	120 VAC	1	SPDT, 16 Amp	50
FM1D50-24U	24 VAC/VDC	1	SPDT, 16 Amp	50
FM1D50-240U	240 VAC	1	SPDT, 16 Amp	50

**GRASSLIN™**  
by INTERMATIC®



**FM1D20**



**FM1D50**



0.1 lbs  
0.05 kg

-14°F  
(-10°C)  
to  
131°F  
(55°C)