

<http://waterheatertimer.org/Countdown-timer-horsepower-ratings.html>

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

## FD Series Decorator Series

The FD Series Decorator Auto-Off Timers are designed to replace any standard wall switch - single or multi-gang. This series of energy-efficient mechanical timers do not require electricity to operate. In addition, they automatically limit the ON times for fans, lighting, motors, heaters, and other energy consuming loads.

### Features

- Hold feature enables user to override the automatic shut-off function
- Supplied time dial plates are designed to fit either toggle (FF) or decorator style (FD) switch plates
- Single or multi-gang with no field modifications required
- Time saving up front terminal connection with teeter-type terminals
- Press-on knob design ensures quick and easy installation
- CFL Compatible

*Not for use with sunlamps, saunas, or loads that could cause personal injury if timed incorrectly.*

### Ratings

Resistive:	20 Amp, 125 VAC, 50/60 Hz 10 Amp, 250 VAC, 50/60 Hz 10 Amp, 277 VAC, 50/60 Hz
Tungsten:	7 Amp, 125 VAC
Motor:	1 HP, 120 VAC, 50/60 Hz 2 HP, 240 VAC, 50/60 Hz
Operating Temperature:	-40°F to 155°F (-40°C to 68°C)
Style:	Can be used with decorator and toggle type switch plates
Dimensions:	2.79" H x 1.6" W x 1.19" D

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

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

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

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

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



White Models	Ivory Models	Almond Models	Time Cycle	Switch	Hold
FD5MW	FD5M	-	5 Minutes	SPST	No
FD15MWC	FD15MC	FD15MAC	15 Minutes	SPST	No
FD15MHW	FD15MH	-	15 Minutes	SPST	Yes
FD30MWC	FD30MC	FD30MAC	30 Minutes	SPST	No
FD30MHW	FD30MH	-	30 Minutes	SPST	Yes
FD60MWC	FD60MC	FD60MAC	60 Minutes	SPST	No
FD60MHW	FD60MH	-	60 Minutes	SPST	Yes
FD2HW	FD2H	-	2 Hours	SPST	No
FD4HW	FD4H	-	4 Hours	SPST	No
FD6HW	FD6H	-	6 Hours	SPST	No
FD6HHW	FD6HH	-	6 Hours	SPST	Yes
FD12HWC	FD12HC	-	12 Hours	SPST	No
FD12HHW	FD12HH	-	12 Hours	SPST	Yes
FD32HW	FD32H	-	2 Hours	SPDT	No
FD34HW	FD34H	-	4 Hours	SPDT	No
-	FD36H	-	6 Hours	SPDT	No
-	FD415M	-	15 Minutes	DPST	No
FD430MW	FD430M	-	30 Minutes	DPST	No
FD460MW	FD460M	-	60 Minutes	DPST	No
FD46HW	FD46H	-	6 Hours	DPST	No

## Specification

The time switch shall be of the appropriate dimensions and design to provide direct replacement of a standard wall switch in single or multi-gang 2 ½" deep junction boxes. The timer shall include a molded \_\_\_\_\_ (Almond)(Ivory) (White) knob and plate with a spiral time scale to provide easy selection of the time setting. The molded plate (time dial) and knob shall be the standard industry accepted \_\_\_\_\_ (Almond)(Ivory)(White) and shall provide for installation using a standard toggle or standard decorator wall switch plate without modifications. The knob shall be a press on type requiring no screws or other hardware to secure. The threaded hole for plate mounting shall be extruded to provide a minimum of .085" thread engagement. Switch Rating (Each Pole for DPST Models).

The timer shall have a UL listed rating of:

- 1 HP at 125 VAC, 50/60 Hz
- 2 HP at 250 VAC, 50/60 Hz
- 20 Amp, 120 VAC, 50/60 Hz
- 10 Amp, 240 VAC, 50/60 Hz
- 10 Amp, 277 VAC, 50/60 Hz
- 7 Amp, 125 VAC

The timer field wiring connections shall be secured by means of a teeter-type terminal screw to provide secure connections for appropriate wire sizes. The timer shall be \_\_\_\_\_ (SPST)(DPST)(SPDT). The timer \_\_\_\_\_ (Shall)(Shall Not) have a Hold feature and shall have a time cycle of \_\_\_\_\_ (See Time Cycles Listed). The timer shall be Intermatic model \_\_\_\_\_ (See Model Numbers Listed).

# FD Decorator Series

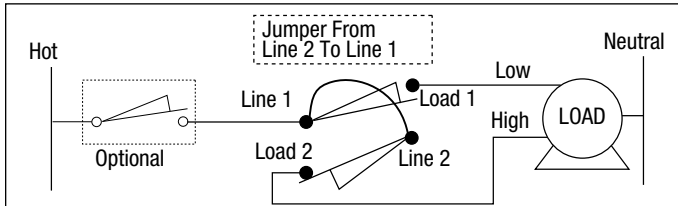


The FD Series Decorator Springwound Auto-Off Timers are designed to replace any standard wall switch - single or multi-gang. This series of energy-efficient mechanical timers do not require electricity to operate. In addition, they automatically limit the ON times for fans, lighting, motors, heaters, and other energy consuming loads.

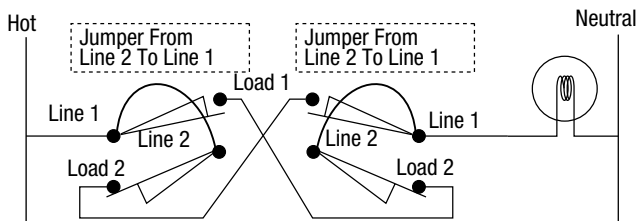
## Model Lineup

Model	Time Cycle	Switch	Finish	Hold
<a href="#"><u>FD5M</u></a>	5 Minutes	SPST	Ivory	No
<a href="#"><u>FD5MW</u></a>	5 Minutes	SPST	White	No
<a href="#"><u>FD15MC</u></a>	15 Minutes	SPST	Ivory	No
<a href="#"><u>FD15MWC</u></a>	15 Minutes	SPST	White	No
<a href="#"><u>FD15MAC</u></a>	15 Minutes	SPST	Almond	No
<a href="#"><u>FD15MH</u></a>	15 Minutes	SPST	Ivory	Yes
<a href="#"><u>FD15MHW</u></a>	15 Minutes	SPST	White	Yes
<a href="#"><u>FD30MC</u></a>	30 Min	SPST	Ivory	No
<a href="#"><u>FD30MWC</u></a>	30 Minutes	SPST	White	No
<a href="#"><u>FD30MAC</u></a>	30 Minutes	SPST	Almond	No
<a href="#"><u>FD30MH</u></a>	30 Minutes	SPST	Ivory	Yes
<a href="#"><u>FD30MHW</u></a>	30 Minutes	SPST	White	Yes
<a href="#"><u>FD60MC</u></a>	60 Minutes	SPST	Ivory	No
<a href="#"><u>FD60MWC</u></a>	60 Minutes	SPST	White	No
<a href="#"><u>FD60MAC</u></a>	60 Minutes	SPST	Almond	No
<a href="#"><u>FD60MH</u></a>	60 Minutes	SPST	Ivory	Yes
<a href="#"><u>FD60MHW</u></a>	60 Minutes	SPST	White	Yes
<a href="#"><u>FD2H</u></a>	2 Hours	SPST	White	No
<a href="#"><u>FD2HW</u></a>	2 Hours	SPST	White	No
<a href="#"><u>FD4H</u></a>	4 Hours	SPST	Ivory	No
<a href="#"><u>FD4HW</u></a>	4 Hours	SPST	White	No
<a href="#"><u>FD6H</u></a>	6 Hours	SPST	Ivory	No
<a href="#"><u>FD6HW</u></a>	6 Hours	SPST	White	No
<a href="#"><u>FD6HH</u></a>	6 Hours	SPST	Ivory	Yes
<a href="#"><u>F6HWW</u></a>	6 Hours	SPST	White	Yes
<a href="#"><u>FD12HC</u></a>	12 Hours	SPST	Ivory	No
<a href="#"><u>FD12HWC</u></a>	12 Hours	SPST	White	No
<a href="#"><u>FD12HH</u></a>	12 Hours	SPST	Ivory	Yes
<a href="#"><u>FD12HWW</u></a>	12 Hours	SPST	White	Yes
<a href="#"><u>FD32H</u></a>	2 Hours	SPDT	Ivory	No
<a href="#"><u>FD32HW</u></a>	2 Hours	SPDT	White	No
<a href="#"><u>FD34H</u></a>	4 Hours	SPDT	Ivory	No
<a href="#"><u>FD34HW</u></a>	4 Hours	SPDT	White	No
<a href="#"><u>FD36H</u></a>	6 Hours	SPDT	Ivory	No
<a href="#"><u>FD415M</u></a>	15 Minutes	DPST	Ivory	No
<a href="#"><u>FD430M</u></a>	30 Minutes	DPST	Ivory	No
<a href="#"><u>FD430MW</u></a>	30 Minutes	DPST	White	No
<a href="#"><u>FD460M</u></a>	60 Minutes	DPST	Ivory	No
<a href="#"><u>FD460MW</u></a>	60 Minutes	DPST	White	No
<a href="#"><u>FD46H</u></a>	6 Hours	DPST	Ivory	No
<a href="#"><u>FD46HW</u></a>	6 Hours	DPST	White	No

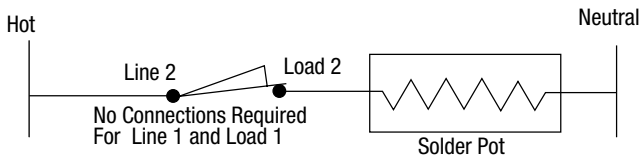
## Diagrams



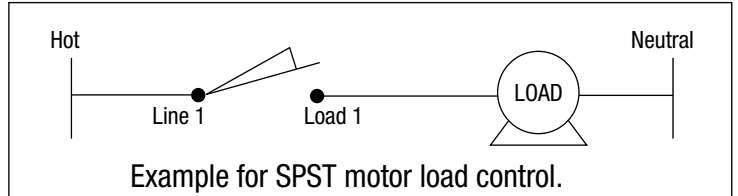
Example for timed selection of low or high speed motor with optional timer to limit operation time regardless of speed selected.



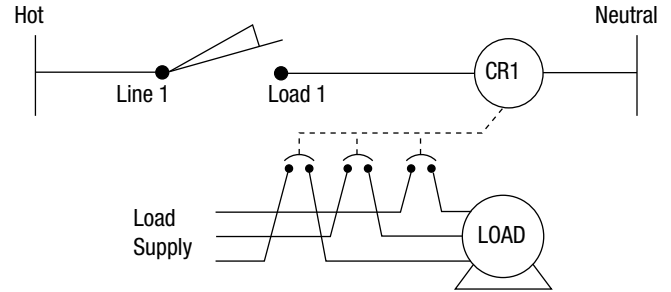
Example for 3-way load control providing timed override from more than one location.



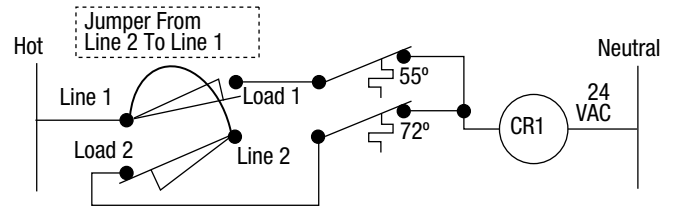
Example for reverse action control. The load is switched off when timer is operated for a limited time then switches back on.



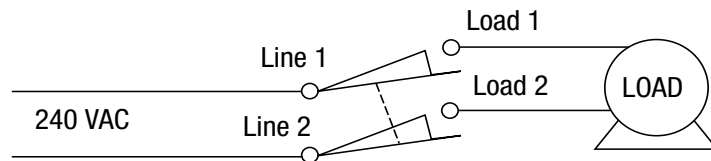
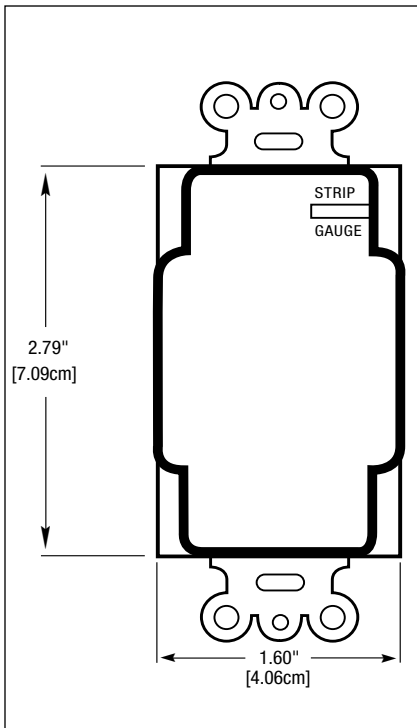
Example for SPST motor load control.



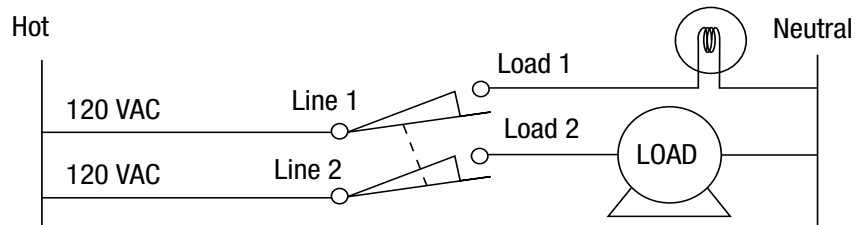
Example for SPST large motor load control using a 3-pole contactor or motor starter.



Example for control of low voltage set-back set-up thermostats using SPDT timer.



Example for breaking both sides of a 240 volt load using DPST contacts.



Example for controlling two loads simultaneously by using DPST contacts.

## Notes

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