http://waterheatertimer.org/Countdown-timer-horsepower-ratings.html#FD

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

FD30MWC

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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).
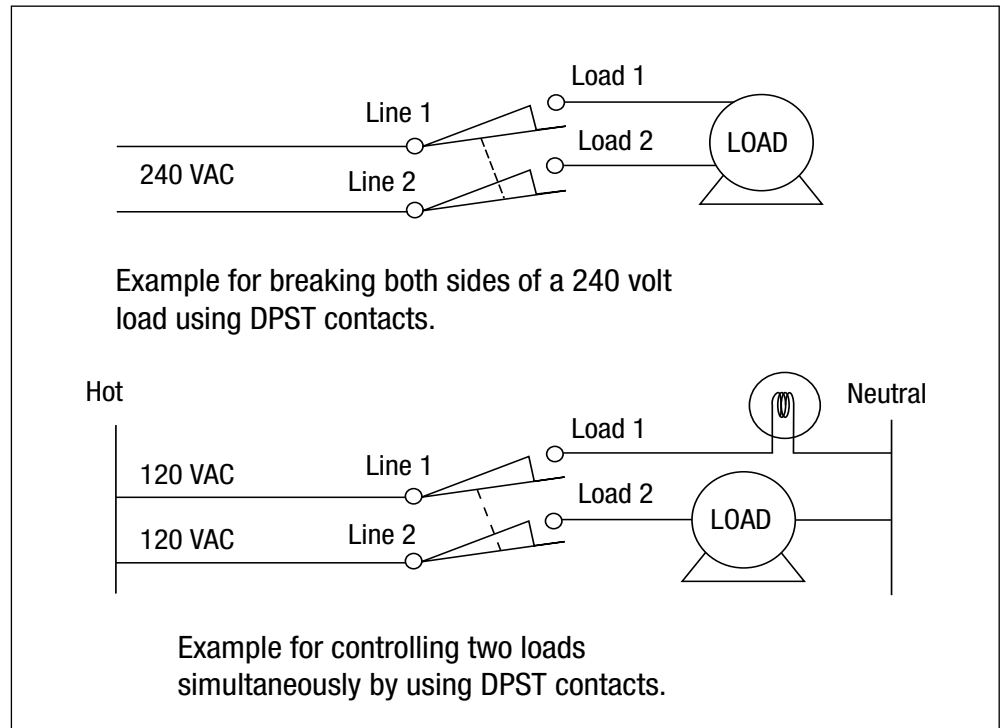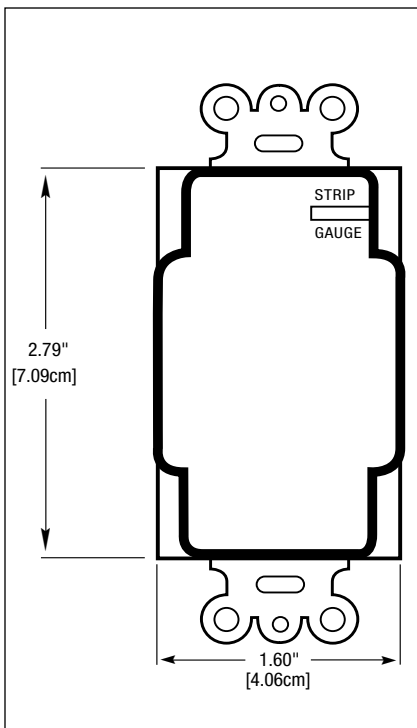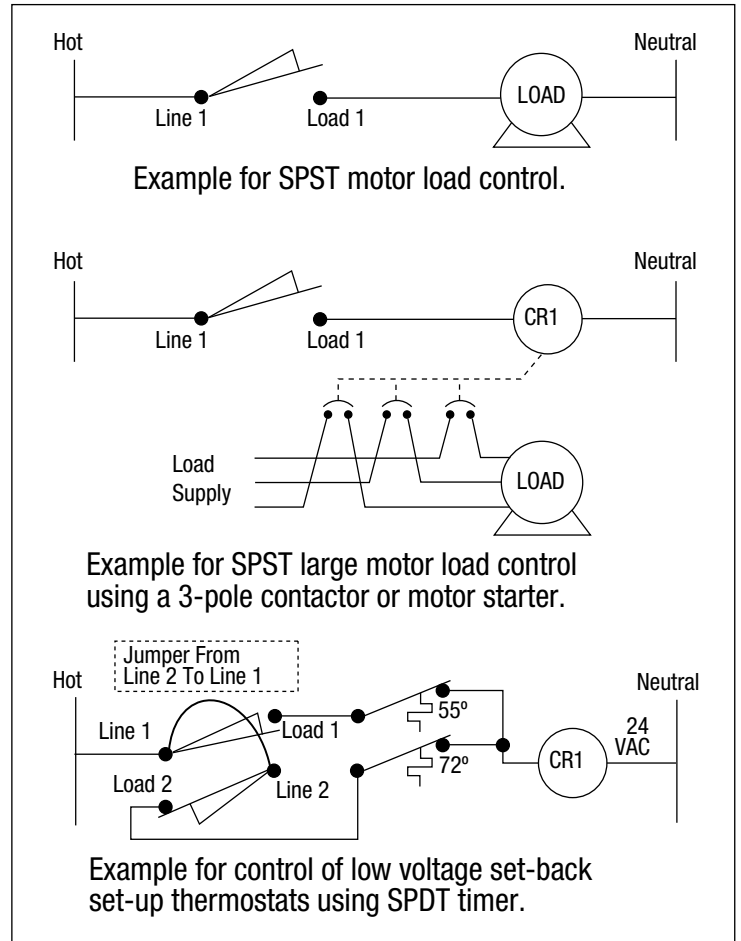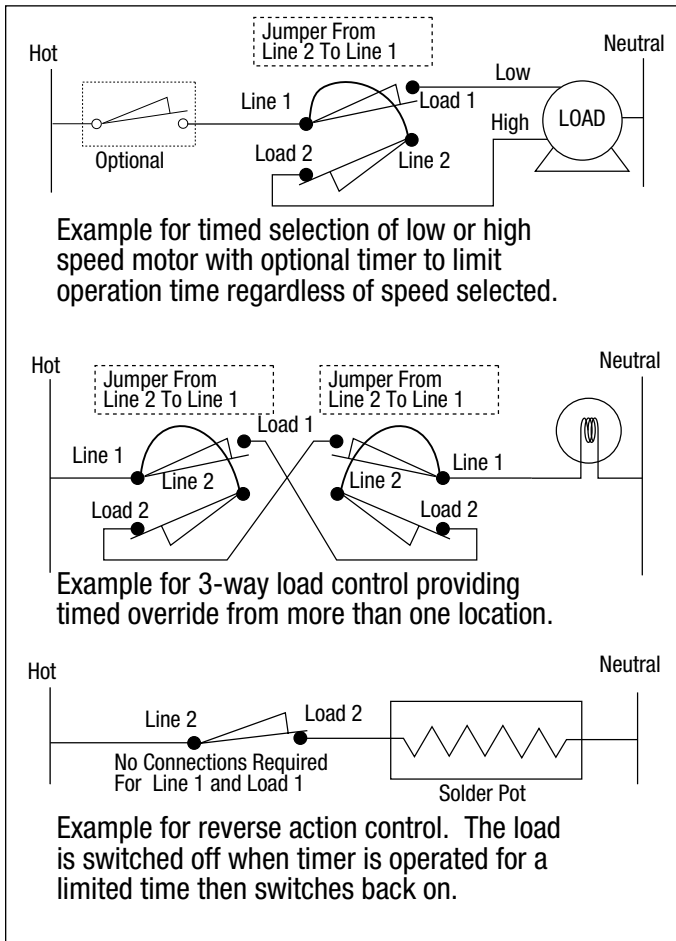
FD Decorator Series

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
FD5M	5 Minutes	SPST	Ivory	No
FD5MW	5 Minutes	SPST	White	No
FD15MC	15 Minutes	SPST	Ivory	No
FD15MWC	15 Minutes	SPST	White	No
FD15MAC	15 Minutes	SPST	Almond	No
FD15MH	15 Minutes	SPST	Ivory	Yes
FD15MHW	15 Minutes	SPST	White	Yes
FD30MC	30 Min	SPST	Ivory	No
FD30MWC	30 Minutes	SPST	White	No
FD30MAC	30 Minutes	SPST	Almond	No
FD30MH	30 Minutes	SPST	Ivory	Yes
FD30MHW	30 Minutes	SPST	White	Yes
FD60MC	60 Minutes	SPST	Ivory	No
FD60MWC	60 Minutes	SPST	White	No
FD60MAC	60 Minutes	SPST	Almond	No
FD60MH	60 Minutes	SPST	Ivory	Yes
FD60MHW	60 Minutes	SPST	White	Yes
FD2H	2 Hours	SPST	White	No
FD2HW	2 Hours	SPST	White	No
FD4H	4 Hours	SPST	Ivory	No
FD4HW	4 Hours	SPST	White	No
FD6H	6 Hours	SPST	Ivory	No
FD6HW	6 Hours	SPST	White	No
FD6HH	6 Hours	SPST	Ivory	Yes
F6HHW	6 Hours	SPST	White	Yes
FD12HC	12 Hours	SPST	Ivory	No
FD12HWC	12 Hours	SPST	White	No
FD12HH	12 Hours	SPST	Ivory	Yes
FD12HHW	12 Hours	SPST	White	Yes
FD32H	2 Hours	SPDT	Ivory	No
FD32HW	2 Hours	SPDT	White	No
FD34H	4 Hours	SPDT	Ivory	No
FD34HW	4 Hours	SPDT	White	No
FD36H	6 Hours	SPDT	Ivory	No
FD415M	15 Minutes	DPST	Ivory	No
FD430M	30 Minutes	DPST	Ivory	No
FD430MW	30 Minutes	DPST	White	No
FD460M	60 Minutes	DPST	Ivory	No
FD460MW	60 Minutes	DPST	White	No
FD46H	6 Hours	DPST	Ivory	No
FD46HW	6 Hours	DPST	White	No

Diagrams

Hot — Neutral

Jumper From Line 2 To Line 1

Line 1 — Load 1 — Low — High — LOAD

Optional — Load 2 — Line 2

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

Hot — Neutral

Jumper From Line 2 To Line 1 — Jumper From Line 2 To Line 1

Load 1 — Line 1 — Line 2 — Line 1 — Load 2 — Line 2 — Load 2

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

Hot — Neutral

Line 2 — Load 2 — Solder Pot

No Connections Required For Line 1 and Load 1

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

Hot — Neutral

Line 1 — Load 1 — LOAD

Example for SPST motor load control.

Hot — Neutral

Line 1 — Load 1 — CR1

Load Supply — LOAD

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

Jumper From Line 2 To Line 1

Hot — Neutral

Line 1 — Load 1 — 55º — 24 VAC

Load 2 — Line 2 — 72º — CR1

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

STRIP GAUGE

2.79"
[7.09cm]

1.60"
[4.06cm]

Load 1 — Line 1 — Load 2 — LOAD

240 VAC — Line 2

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

Hot — Neutral

120 VAC — Line 1 — Load 1

120 VAC — Line 2 — Load 2 — LOAD

Example for controlling two loads simultaneously by using DPST contacts.

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Energy Controls

Notes