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FD30MC 30MIN SPRING WOUND TIMER

INTERMATIC INC.

Catalog Number	FD30MC
Manufacturer	INTERMATIC INC.
Description	Spring Wound Countdown Timer, Decorator Style, 125-277 VAC, 50/60 Hz, SPST, 30 Minute Max, Without Hold, Ivory
Weight per unit	0.3500 (lbs/each)
Product Category	Electromechanical Time Switche

Features

Contact Configuration	1 NO
Contact Rating	7 AMP @ 125 VAC (Tungsten), 20 AMP @ 125 VAC (Resistive), 10 AMP @ 250/277 VAC (Resistive)
Poles	1
Timing Range	30
Voltage Rating	125 - 277
Action	1 x SPST
Amperage Rating	15
Connection	Teeter Type
Motor Power	1 HP @ 120 VAC, 2 HP @ 240 VAC

Dimensions and Weight

Size	2.79 HEIGHT X 1.6 WIDTH X 1.19 DEPTH IN, 70.86 HEIGHT X 40.64 WIDTH X 30.22 DEPTH MM

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Descriptions

Description	30MIN SPRING WOUND TIMER
Features	The FD Series Decorator Countdown Timers are designed to replace any standard or decorator style wall switch, single- or multi-gang. These mechanical timers do not require electricity to operate. They automatically limit the ON times for fans, lighting, motors, heaters and other energy consuming loads. *NOTE: Not for use with sunlamps, saunas, or loads that could cause personal injury if timed incorrectly. Wall plate not included.
Long Description	Spring Wound Countdown Timer, Decorator Style, 125-277 VAC, 50/60 Hz, SPST, 30 Minute Max, Without Hold, Ivory
Product Type	Spring Wound Countdown Timer, Decorator Style, 125-277 Vac,
Special Features	Features: Energy-Efficient Mechanical Timers do not require Electricity to Operate, Automatically Limit the ON Times, Press-On Knob Design Ensures Quick and Easy Installation, CFL Compatible, Provide Direct Replacement of a Standard Wall Switch in Single or Multi-Gang 2-1/2 IN Deep Junction Boxes, Spiral Time Scale to Provide Easy Selection of the Time Setting, Standard Industry Accepted Molded Plate and Knob, Minimum of 0.085 IN Thread Engagement, Secure Teeter-Type Terminal, 1 Year Warranty
Extra Long Description	INT FD30MC Spring Wound Countdown T

Manufacturer Information

Brand	Intermatic
GTIN	00078275005037
Manufacturers Part Number	FD30MC
UPC	683341

Taxonomies, Classifications, and Categories

Category Description	TIME CLOCKS
Type	Decorator Spring Wound Auto-Off

Packaging

Carton	1
Package	6
Weight Per Each	0.3500 (lbs/each)

Uses, Certifications, and Standards

Application	Indoor, CFLs Lighting, Fans, Electric Motors, Heaters, HVACR
Frequency Rating	50/60
Mounting	WALL MOUNT
Operating Temperature	-40 to +104 DEG F, -40 to +40 DEG C
Standard	cCSAus Certified, UL Listed, UL Recognized, HVACR

Project:

Location:

Product Type:

Contact/Phone:

Model #:

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.



FD30MWC

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 104˚F (-40˚C to 40˚C)
Style:	Can be used with decorator and toggle type switch plates
Dimensions:	2.79" H x 1.6" W x 1.19" D

FD Series

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

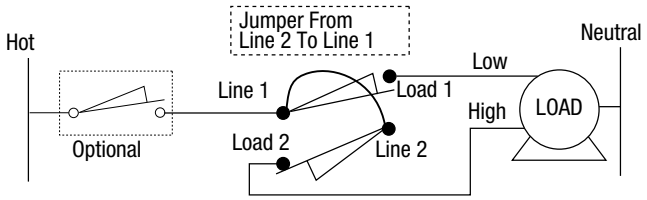
The time switch shall be of the appropriate dimensions and design to provide direct replacement of a standard wall switch in single or multi-gang 2 ½" deep junction boxes. The timer shall include a molded _____ (Almond)(Ivory)(White) knob and plate with a spiral time scale to provide easy selection of 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:

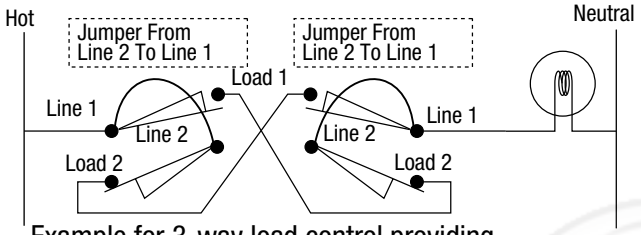
- 1 HP at 125 VAC, 50/60 Hz
- 2 HP at 250 VAC, 50/60 Hz
- 20 Amp, 120 VAC, 50/60 Hz
- 10 Amp, 250 VAC, 50/60 Hz
- 10 Amp, 277 VAC, 50/60 Hz
- 7 Amp, 125 VAC

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).

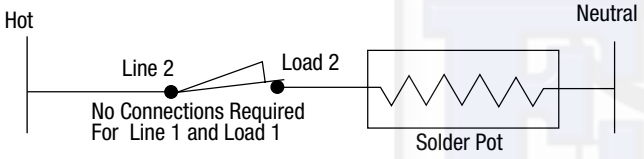
Diagrams



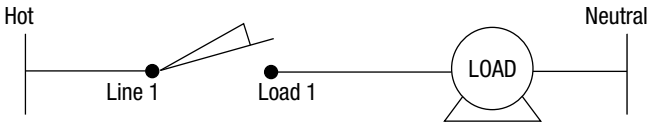
Example for timed selection of low or high speed motor with optional timer to limit operation time regardless of speed selected.



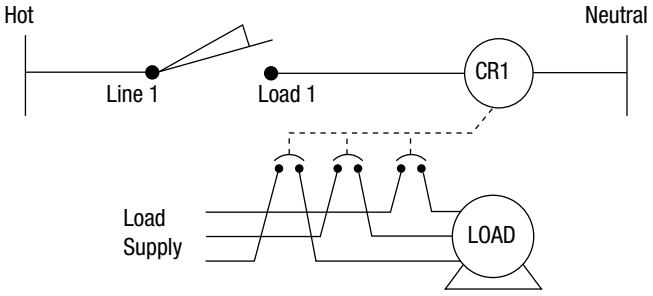
Example for 3-way load control providing timed override from more than one location.



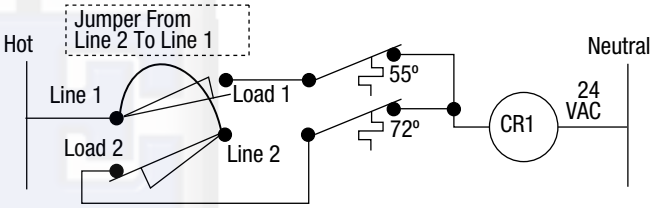
Example for reverse action control. The load is switched off when timer is operated for a limited time then switches back on.



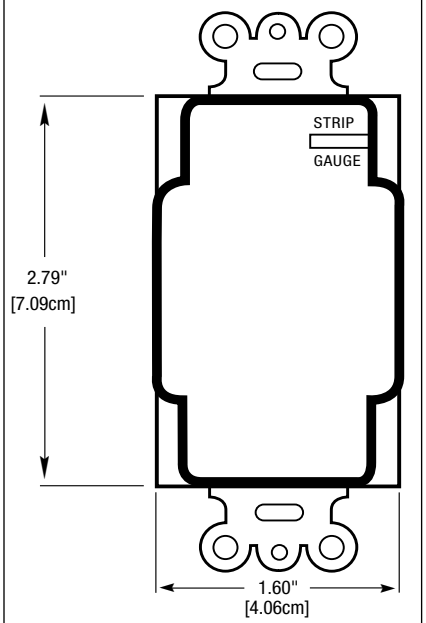
Example for SPST motor load control.

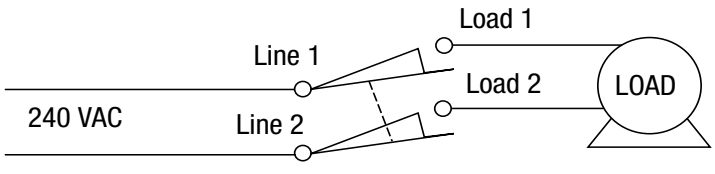


Example for SPST large motor load control using a 3-pole contactor or motor starter.

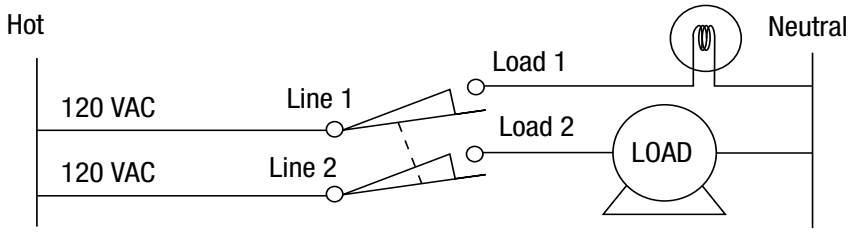


Example for control of low voltage set-back set-up thermostats using SPDT timer.





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



Example for controlling two loads simultaneously by using DPST contacts.

Notes