



12:00 at
12-22
FRI

INTERMATIC

In-Wall Timers

Designed to take the place of standard in-wall switches, these programmable, full-featured timers can turn a variety of loads ON and OFF according to a 7-day, 24-hour, or countdown time schedule. They provide a convenient, cost-effective way to automate a wide variety of applications – from outdoor lighting and water features, to attic fans and garage lights – for increased productivity, security, and energy savings.

Timers with Astronomic clock functionality automatically adjust to seasons and determine dusk and dawn times, allowing for a "set it once and forget it" implementation.

Contents

7-Day Programmable Timers	54-55
24-Hour Programmable Timers	56-57
Electronic Countdown Timers	58-59
Mechanical Spring Wound Countdown Timers	60-61

In-Wall Timers

7-Day Programmable Timers



ST01



White



Ivory



Light Almond

Heavy-Duty 7-Day Programmable Timers

EI600 and ST01 Series

Highly versatile Heavy-Duty Timers are ideal for any application that requires a simple or complex ON/OFF schedule, regardless of load. No neutral connection is required.

Features

- Versatile 7-day programmable schedules with up to 40 ON/OFF events
- Astronomic Clock feature determines dawn and dusk times
- Automatic Daylight Saving Time (DST) adjustment
- Random mode varies ON/OFF schedule to provide a "lived-in" appearance
- Single or 3-way switch compatible installation
- Incandescent/fluorescent/CFL/LED compatible
- Isolated switch allows timer to be used with any load type, including AC and DC loads
- Replaceable CR2 lithium battery provides up to three years of operation
- No neutral wire connection enables easy retrofitting and quicker installation



Ratings	
Operating Voltage	120-277 VAC, 12-28 VDC
Resistive	
EI600	20 A, 120-277 VAC
ST01	15 A, 120-277 VAC
Inductive Ballast (Fluorescent)	
EI600	16 A, 120-277 VAC
ST01	8 A, 120 VAC; 4 A, 208-277 VAC
Incandescent	15 A, 120 VAC; 6A, 208-277 VAC
Motor	1 HP, 120 VAC; 2 HP, 240 VAC
DC Loads	4 A, 12 VDC; 2 A, 28 VDC
Operating Temperature	32° F to 104° F (0° C to 40° C)
Dimensions H x W x D	4 1/8" x 1 3/4" x 1 13/16" (104.8 mm x 44.5 mm x 46 mm)
Warranty	
EI600	5-year limited
ST01	1-year limited

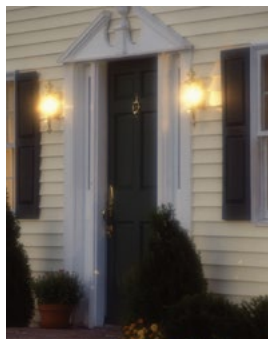
Note: Not for use with sunlamps, saunas, or loads that could cause personal injury if timed incorrectly.

White	Ivory	Light Almond	Max Load Handling Capability
EI600WC	EI600C	EI600LAC	20 A
ST01	—	ST01A	15 A

Note: For use with a standard decorator plate, not included.

7-Day/24-Hour Timer Applications

- Entryway lighting • Deck and landscape light controls • Attic fans • Pumps
- Small commercial – signage and store lighting • Hallway lighting



Standard 7-Day Programmable Timers - 15 A

EI500 Series

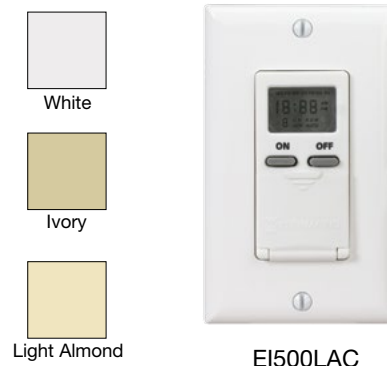
For installation on 15 A circuits, this timer provides 24-hour or 7-day programming of lights, fans, pumps and other medium-duty loads.

Features

- 7-day programmable schedules with 14 ON/OFF events
- Automatic Daylight Saving Time (DST) adjustment
- Random mode varies ON/OFF schedule to provide a "lived-in" appearance
- Single pole circuit
- Incandescent/fluorescent/CFL/LED compatible
- Built-in rechargeable, non-serviceable battery backup
- Requires neutral connection

White	Ivory	Light Almond
EI500WC	EI500C	EI500LAC

Note: For use with a standard decorator plate, not included.



Ratings	
Operating Voltage	125 VAC, 60 Hz
General Purpose	15 A
Resistive	15 A
Inductive Ballast (Fluorescent)	1000 VA
Electronic/LED Ballast	500 VA
Incandescent	1000 W
Motor	¼ HP
Operating Temperature	32° F to 104° F (0° C to 40° C)
Dimensions H x W x D	4 1/8" x 1 3/4" x 1 7/16" (104.8 mm x 44.5 mm x 36.5 mm)
Warranty	1-year limited

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

Standard 7-Day Programmable Timers - 12 A

EJ600 Series

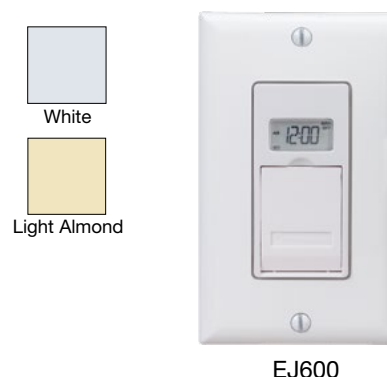
A 12 A rated timer that provides full 7-day programming capabilities with dusk-to-dawn functionality, ideal for use with medium to low power loads.

Features

- 7-day programmable schedules with 14 ON/OFF events
- Astronomic clock feature determines dawn and dusk times
- Automatic Daylight Saving Time (DST) adjustment
- Random mode varies ON/OFF schedule to provide a "lived-in" appearance
- Single or 3-way switch compatible installation
- Incandescent/fluorescent/CFL/LED compatible
- Built-in rechargeable, non-serviceable battery backup
- Requires neutral connection

White	Light Almond
EJ600	EJ600A

Note: For use with a standard decorator plate, not included.



Ratings	
Operating Voltage	120 VAC, 60 Hz
Resistive	12 A, 120 VAC
Inductive Ballast (Fluorescent)	500 VA
Incandescent	
Single-Gang	15 A, 120 VAC
Multi-Gang	12 A, 120 VAC
Motor	½ HP
Operating Temperature	32° F to 104° F (0° C to 40° C)
Dimensions H x W x D	4 1/8" x 1 3/4" x 1 7/16" (104.8 mm x 44.5 mm x 36.5 mm)
Warranty	1-year limited

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



EJ351



Ratings	
Operating Voltage	120 VAC, 60 Hz
Min. Load Requirement	40 W
Incandescent	
Single-Gang	500 W
Double-Gang	400 W
Operating Temperature	32° F to 104° F (0° C to 40° C)
Dimensions	4 ¼" x 1 ¾" x 2 ½"
H x W x D	(108 mm x 44.5 mm x 54 mm)
Warranty	1-year limited

Note: Not for use with CFL/LED lights.

Electromechanical / Self-Learning 24-Hour Timer

EJ351

This simple-to-install, simple-to-use timer repeats a daily ON/OFF schedule when programmed or through the built-in self-learning mode. The self-learning mode observes the ON/OFF events in the first 24-hours of operation then repeats on subsequent days.

Features

- Up to 48 ON/OFF events per day
- Self-learning, repeats first 24-hour ON/OFF usage pattern if not programmed
- Random mode varies ON/OFF schedule to provide a "lived-in" appearance
- 15-Minute memory guard in event of power failure
- Compatible with incandescent lights only
- No neutral wire connection enables easy retrofitting and quicker installation

Model #	Description
EJ351	White, Self-Learning Timer

Note: For use with a standard decorator plate or toggle switch plate, not included.



E1010



E1020



Ratings:	
Operating Voltage	125 VAC, 60 Hz
Resistive	15 A
Incandescent	1500 W
Motor	12 FLA
Dimensions	4 ¼" x 3 ¼" x 1 ¾"
H x W x D	(108 mm x 82.6 mm x 34.9 mm)
Warranty	1-year limited

Heavy Duty Mechanical In-Wall Timers - 15 A

E1000 Series

These Heavy-Duty In-Wall Timers are ideal for turning on lights, fans, pumps, and other heavy duty loads for energy savings, security and convenience. The timer provides up to 12 ON and 12 OFF operations per day.

Features

- E1010 includes one ON/OFF permanently attached tripper for single ON/OFF control per 24-hour period
- E1020 includes two ON/OFF trippers and can accommodate up to 12 ON/OFF trippers
- Programmable in 30-minute intervals
- Turns ON/OFF heavy-duty loads for energy savings, security, and convenience
- Mounts to any standard junction box
- Requires neutral connection

Model #	Description
E1010	White with Permanent Trippers
E1020	White with Removable Trippers

Accessories and Replacement

Trippers for E1020 (two-pack) 156EB1954A

Heavy-Duty Mechanical In-Wall Timers - 20 A

KM2 Series

For installing on circuits up to 20 A, this timer provides automatic 24-hour ON/OFF control of outdoor/indoor lighting, fans, pumps, office equipment and other types of loads.

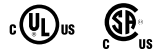
Features

- 72 trippers provide 36 ON/OFF events per 24-hour period
- Captive trippers with 20-minute switching intervals
- 3-way (SPDT) switch available
- 3 position ON/OFF/AUTO override provides continuous ON or OFF operation
- Reliable synchronous timer motor
- Multiple wall plates available
- Easy wiring and installation
- Heavy-Duty 20 A rating
- Requires neutral connection

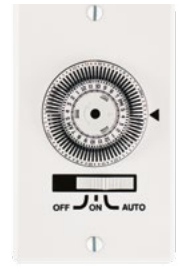
Model #	Wall Plate Configuration	
Single Switch (SPST)		
KM2ST-1G	Timer Only	
KM2ST-2G	Timer + Toggle Switch	2-Gang
KM2ST-3G		3-Gang
KM2ST-4G		4-Gang
KM2ST-2D	Timer + Decorator Switch	2-Gang
KM2ST-3D		3-Gang
KM2ST-2R	Timer + Receptacle	
3-Way Switch (SPDT)		
KM2STU-1G	Timer Only	

Accessories/Replacement

Faceplates See page 170 for full list



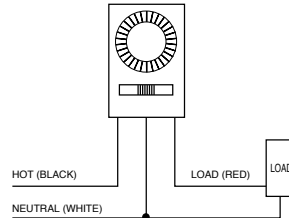
Ratings	
Operating Voltage	120 VAC, 60 Hz
Resistive	20 A
Incandescent	1350 W, 120 VAC
Motor	1 HP, 120 VAC
Operating Temperature	-40° F to 180° F (-40° C to 82° C)
Relative Humidity	0 to 95%, non-condensing
Wiring Terminals	
SPST	(3) #14 AWG color coded
SPDT	(4) #14 AWG color coded
Warranty	1-year limited



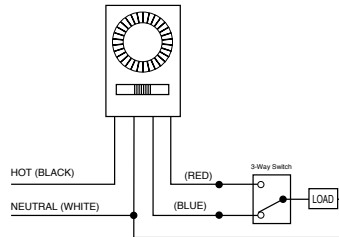
KM2ST-IG

Wiring Diagrams

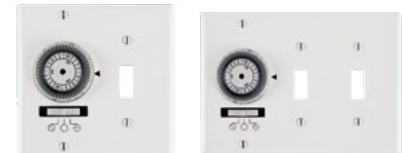
Standard Installation



3-Way Installation

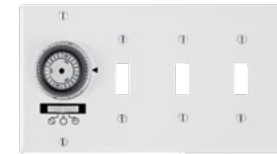


Timer Toggle Switch Plate



2-Gang

3-Gang



4-Gang

Timer and Decorator Switch Plate



2-Gang

3-Gang

Timer and Receptacle Plate



2-Gang



EI400WC



White



Ivory



Light Almond



Ratings	
Operating Voltage	120-277 VAC 12-28 VDC
Resistive	20 A
Incandescent	15 A, 120 VAC 6 A, 208-277 VAC
Inductive Ballast (Fluorescent)	16 A, 120-277 VAC
Motor	1 HP, 120 VAC 2 HP, 240 VAC
DC Loads	4 A, 12 VDC 2 A, 28 VDC
Operating Temperature	32° F to 122° F (0° C to 50° C)
Dimensions H x W x D	4 1/8" x 1 3/4" x 1 3/16" (104.8 mm x 44.5 mm x 46 mm)
Warranty	5-year limited

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

Programmable Electronic Countdown Timer

EI400 Series

Offering a programmable countdown time between one-second and 24-hours, this versatile timer can handle any application, regardless of load type. No neutral connection is required.

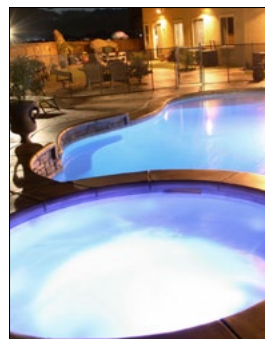
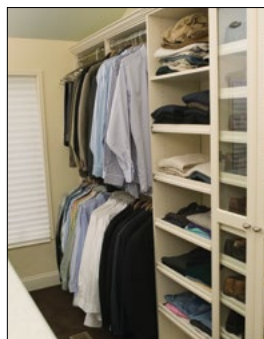
Features

- Programmable countdown time interval from one-second to 24-hours
- Settings stored in non-volatile memory
- Optional audible and/or visual warning of impending load switch OFF
- Lockable settings help avoid unintended changes
- Single pole or 3-way switch compatible installation
- Incandescent/fluorescent/CFL/LED compatible
- Isolated switch allows timer to be used with any load type including AC and DC loads
- Replaceable CR2 lithium battery provides up to three years of operation
- No neutral wire connection enables easy retrofitting and quicker installation

White	Ivory	Light Almond
EI400WC	EI400C	EI400LAC

Countdown Timer Applications

- Bathroom fans • Spas • Hot tubs • Storage closets • Garage lights



Electronic Countdown Timers with Preset Times

EI200 Series

This timer requires no programming; preset countdown times are activated by pressing a single button. Silent operation makes this timer ideal for applications where the noise of mechanical countdown timers is of concern.

Features

- Provides silent operation in time ranges from five minutes to 12 hours
- Single button time selection, with some models having a HOLD mode, for continuous ON operation
- Replaces single-pole switches in a variety of applications
- Incandescent/fluorescent/CFL/LED compatible
- For use with decorator-style wall plate (not included)
- Requires neutral connection



White	Ivory	Light Almond	Preset Times
Without HOLD			
EI205W	EI205	EI205LA	5 Min - 15 Min - 30 Min - 45 Min - 1 Hr
EI215W	EI215	EI215LA	15 Min - 30 Min - 1 Hr - 2 Hr - 4 Hr
EI235W	EI235	EI235LA	15 Min - 30 Min - 45 Min - 1 Hr - 2 Hr
With HOLD			
EI200W	EI200	EI200LA	5 Min - 10 Min - 15 Min - 30 Min
EI210W	EI210	EI210LA	10 Min - 20 Min - 30 Min - 60 Min
EI220W	EI220	EI220LA	1 Hr - 2 Hr - 4 Hr - 8 Hr
EI230W	EI230	EI230LA	2 Hr - 4 Hr - 8 Hr - 12 Hr



Ratings	
Operating Voltage	120 VAC, 60 Hz
Resistive	15 A, 1800 W
Inductive Ballast (Fluorescent)	8 A, 1000 VA
Electronic/LED Ballast	500 VA
Incandescent	8.3 A, 1000 W
Motor	1/4 HP
Operating Temperature	32° F to 122° F (0° C to 50° C)
Dimensions H x W x D	4 1/8" x 1 1/16" x 1 7/16" (104.8 mm x 42.93 mm x 36.5 mm)
Warranty	1-year limited

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

In-Wall Timers

Mechanical Spring Wound Countdown Timers

In-Wall Timers



Without HOLD
FD60MWC



With HOLD
FD6HHW



White



Ivory



Light Almond

Spring Wound Countdown Timers - Decorator Style

FD Series

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.

Features

- No electricity required to operate
- Replaces any standard or decorator single or multi-gang wall switch
- Automatically limits ON time for energy consuming loads
- Quick and easy installation
- Time-saving up front terminal connection with teeter-type terminals
- Models available from 5-minute to 12-hour countdown time intervals
- Incandescent/fluorescent/CFL/LED compatible
- No neutral connection is required



Ratings	
Operating Voltage	125-277 VAC, 60 Hz
Resistive	20 A, 125 VAC; 10 A, 250/277 VAC
Tungsten/Incandescent	7 A, 125 VAC
Motor	1 HP, 125 VAC 2 HP, 250 VAC
Operating Temperature:	32° F to 104° F (0° C to 40° C)
Dimensions H x W x D	4 1/8" x 1 3/4" x 1 1/4" (104.8 mm x 44.5 mm x 31.8 mm)
Warranty	1-year limited

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

Without HOLD			With HOLD		Maximum Time	Switch Type
White	Ivory	Light Almond	White	Ivory		
SPST						
FD5MW	FD5M	-	-	-	5 Min	<p>SPST Configuration</p>
FD15MWC	FD15MC	FD15MAC	FD15MHW	FD15MH	15 Min	
FD30MWC	FD30MC	FD30MAC	FD30MHW	FD30MH	30 Min	
FD60MWC	FD60MC	FD60MAC	FD60MHW	FD60MH	60 Min	
FD2HW	FD2H	-	-	-	2 Hr	
FD4HW	FD4H	-	-	-	4 Hr	
FD6HW	FD6H	-	FD6HHW	FD6HH	6 Hr	
FD12HWC	FD12HC	-	FD12HWW	FD12HH	12 Hr	
2-Circuit (1) NO + (1) NC						
FD32HW	FD32H	-	-	-	2 Hr	<p>*For SPDT Configuration Jumper L1 & L2 Together</p>
FD34HW	FD34H	-	-	-	4 Hr	
FD36H		-	-	-	6 Hr	
DPST						
-	FD415M	-	-	-	15 Min	<p>DPST Configuration</p>
FD430MW	FD430M	-	-	-	30 Min	
FD460MW	FD460M	-	-	-	60 Min	
FD46HW	FD46H	-	-	-	6 Hr	

Note: For use with decorator or toggle-style switch plates (not included).

Accessories/Replacement

Knob-Wall Switch FD Series - Ivory	146MT573
Knob-Wall Switch FD Series - White	146MT574
Knob-Wall Switch FD Series - Almond	146MT575
Faceplates	See page 170

Spring Wound Countdown Timers - Commercial

FF Series

The FF Series Commercial Countdown Timers are designed to replace any standard wall switch and do not require electricity to operate. These energy-efficient switches automatically limit the ON times for fans, lighting, motors, heaters, and other energy consuming loads. A commercial "brushed metal" look plate (plastic construction) meets NEC requirements.

Features

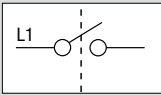
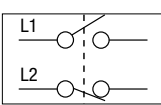
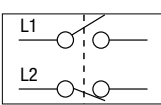
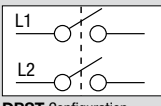
- No electricity required to operate
- Replaces any standard single or multi-gang wall switch
- Automatically limits ON time for energy consuming loads
- Quick and easy installation
- Time-saving up front terminal connection with teeter-type terminals
- Brushed metal look switch plate meets NEC requirements (plate is included)
- Incandescent/fluorescent/CFL/LED compatible
- No neutral connection is required



Without HOLD
FF5M



With HOLD
FF6HH

Without HOLD	With HOLD	Maximum Time	Switch Type	
SPST				
FF5M	FF5MH	5 Min	 <p>SPST Configuration</p>	
FF15MC	FF15MH	15 Min		
FF30MC	FF30MH	30 Min		
FF60MC	FF60MHC	60 Min		
FF2H	–	2 Hr		
FF4H	–	4 Hr		
FF6H	FF6HH	6 Hr	 <p>*For SPDT Configuration Jumper L1 & L2 Together</p>	
FF12HC	FF12HHC	12 Hr		
2 Circuit (1) NO + (1) NC				
FF315M	–	15 Min	 <p>*For SPDT Configuration Jumper L1 & L2 Together</p>	
FF330M	–	30 Min		
FF360M	–	60 Min		
FF32H	FF32HH	2 Hr		
FF34H	FF34HH	4 Hr		
FF36H	–	6 Hr		
FF312H	FF312HH	12 Hr	 <p>DPST Configuration</p>	
DPST				
FF415M	–	15 Min		
FF430M	–	30 Min		
FF460M	–	60 Min		
FF46H	–	6 Hr		
FF412H	–	12 Hr		

Accessories/Replacement

Knob-Wall Switch FF Series - White	146MT577
Knob-Wall Switch FF Series - Black	146MT579
Faceplates	See page 170



Ratings	
Operating Voltage	125-277 VAC, 60 Hz
Resistive	20 A, 125 VAC; 10 A, 250/277 VAC
Incandescent	7 A, 125 VAC
Motor	1 HP, 125 VAC 2 HP, 250 VAC
Operating Temperature	32° F to 104° F (0° C to 40° C)
Dimensions H x W x D	4 1/8" x 1 3/4" x 1 1/4" (104.8 mm x 44.5 mm x 31.8 mm)
Warranty	1-year limited

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