

**MarkTime**<sup>®</sup>  
Brand of Energy Saving Products

## In-Wall Series Time Switches



- ☪ Dual switch functionality (select models)
- ☪ LED indicators (select models)
- ☪ Preset time control
- ☪ Incandescent, Fluorescent or CFL Ready
- ☪ Accepts standard decorative wallplate (select models)
- ☪ Energy Saving
- ☪ UL & cUL Approved

**MarkTime<sup>®</sup> In-Wall Time Switches can be found in these applications and more:**



Pools, Saunas,  
Hot Tubs



Bath Fan/Light  
Control



Exterior Lighting



# Models 42ES1, 42ES2, 42ES2D, 42ES5HD & 42ES624 PIR Sensor Vacancy Switches

Ideal for lighting control in rooms that are not occupied all the time.

42ES624-W



42ES5HD-I

- **42ES2 & 42ES2D** models are 3 way capable using the **42ES4** switch. (Not to be used with fluorescent lamp ballasts.)
- **42ES2D** model has energy saving dimming capability.
- **42ES5HD and 42ES624** heavy duty switches are fluorescent rated.
- **42ES1 and 42ES624** models are California Title 24 Compliant.
- Hardware items include mounting screws and wire nuts.

Part #	42ES1	42ES2	42ES2D	42ES4	42ES5HD	42ES624
Sensor Area	150" x 10"	150" x 10"	150" x 10"	N/A	180" x 10"	150" x 10"
Manual ON/ Auto OFF	x			N/A		x
Auto ON/ Auto OFF		x	x	N/A	x	
Time Setting	Up to 30 Minutes					
Flourescent Rated	No				x	x
CFL Ready	x			N/A	x	x
Wall Plate	Included					
Color	White or Ivory					
Activation	Push Button					
Volts	120V					
Hz	60 Hz					
Watts	1000	500			800	500
Amps	15					
VA					800	500
HP					1/4	1/8

Use for: Lighting Control in Light Commercial and Residential Applications.

# Models 42M24T Electromechanical Time Switch and 42E724P Programmable Electric Time Switch

Ideal for interior and exterior lighting control and other electrical circuits up to 120V.

42E724P



42M24T

- Automatically turns appliances "ON/OFF" on a daily or weekly schedule
- **42M24T model** - Quick setting electromechanical timer with 30-minute increments.
- **42E724P model** - LCD display for easy reading. Slim design with manual override.
- CFL Ready. (Note: Not to be used with fluorescent lamp ballasts.)
- White wall plates included.
- Hardware items include mounting screws and wire nuts.

Part #	42E724P	42M24T
Programmable	x	x
Reset	Auto	
Auto ON/ Auto OFF	x	x
Time Setting	Up to 10,080 Minutes	Up to 1,440 Minutes
Flourescent Rated	No	
CFL Ready	x	
Wall Plate	Included	
Color	White	
Activation	Push Button	Sliding Tabs
Switching	SPST	
Volts	120V	
Hz	60 Hz	
Amps	15	20
HP	1	
Battery Backup	x	No

Use for: Residential Indoor and Outdoor Lighting, Pool Circulating Pumps, Exhaust/Ceiling Fans and other electrical circuits up to 120V.

## Models 42E20 Electronic Countdown Time Switch

*Ideal as bath fan or light control and other high moisture areas to reduce bacterial and mold growth.*

42723



42722

- LED lights indicate proper function and easy locating in darkened areas.
- **42722 and 42723 can be used with fluorescent lamp ballasts.**
- Wall plates not included. Use with decorative wall plates.
- Hardware items include captive mounting screws and wire nuts.

Part #	42722-1	42723-1
Reset	Auto	
Auto ON	x	
Preset Time Range	1, 2, 4, 8 Hours	15, 30, 60, 120 Minutes
Flourescent Rated	x	
CFL Ready	x	
Wall Plate	NOT Included	
Color	White & Ivory Overlays	
Activation	Push Button	
Switching	SPST	
Volts	120V	
Hz	60 Hz	
Watts	500	
VA	200	
HP	1/3	

*Use for: Wholehouse and Standard Exhaust Fans*

## Model 42E02 Electronic and 42000 Series Commercial Grade Electronic Fan/Light Time Switches

Ideal for removing excess moisture from bath or high moisture areas reducing mold and bacteria growth.



42517



- **42000 Series** - Toggle to down position; light turns "Off", fan remains "On" for pre-set time. (Not to be used with fluorescent lamp ballasts.)
- **Model 42E02** - LED lights indicate proper function. CFL Ready.
- Wall plates not included. **Model 42E02 and 42000 Series** use decorative wall plates.
- Hardware items include captive mounting screws and wire nuts.

Part #	42503	42507	42513	42517	42702-1 (42E02)
Reset	Manual				Auto
Auto OFF	x				
Time Setting	Up To 60 Minutes				Preset: 20, 40, 60 Mins.
Flourescent Rated	<b>Do not use with Flourescent Fixtures</b>				x
CFL Ready	No				x
Wall Plate	NOT Included				
Color	Ivory	White	Ivory	White	White & Ivory Overlays
Activation	3 Position - Toggle		2 Position - Toggle		2 Position Push Button
Switching	2 SPST				
Volts	120V				
Hz	60 Hz				
Watts	500				
VA	N/A				200
HP	1/3				1/6
Agency Approval					

Use for: Residential, Commercial & Institutional Bathrooms

## 93000 Series Commercial Grade Time Switch

Ideal for removing excess moisture from bath or high moisture areas reducing mold and bacteria growth.

93503



93301

- **93000 Series** is interchangeable with a standard toggle switch to turn circuits either "On" or "Off" at the end of a preset time duration.
- CFL Ready. (Not to be used with fluorescent lamp ballasts.)
- Package includes both white and ivory knobs and decorator dials. Wall plate not included. Use with decorative wall plates.
- Hardware items include captive mounting screws and wire nuts.

Part #	Part # - With Knob & Aluminum Plate	Time Setting	Degree of Wind	Hold Option	General Purpose	Flourescent	CFL Ready	Switching	Volts	Hz	Amps (G/P)	Amps (Tungsten)	HP
93501	93301	Up to 15 Minutes	310		x	<b>NOTE: Do NOT use with Flourescent Lamp Ballasts.</b>	x	N.O. & N.C.	125/250	60	20/10	7	1
93502	93302	Up to 30 Minutes	310		x		x						
93503	93303	Up to 60 Min. (1 Hr.)	310		x		x						
93504	93304	Up to 120 Min. (2 Hr.)	310		x		x						
93505	93306	Up to 360 Min. (6 Hr.)	310		x		x						
93506	93307	Up to 720 Min. (12 Hr.)	310		x		x						
93507	93305	Up to 240 Min. (4 Hr.)	310		x		x						
NA	93311	Up to 15 Minutes	310	x	x		x						
NA	93312	Up to 30 Minutes	310	x	x		x						
93513	93313	Up to 60 Min. (1 Hr.)	310	x	x		x						
93516	93317	Up to 720 Min. (12 Hr.)	310	x	x		x						

Use for: Wholehouse and Commercial Exhaust Fans, Heat Lamps, Whirlpools and Saunas

## Model 70AB Heavy Duty Time Switch

Ideal for removing excess moisture from bath or high moisture areas reducing mold and bacteria growth.

74112AB



- **70AB Series** switches are the most robust in-wall time switch in the industry offering a **28 Amp** rating.
- Double gang wall box mount.
- Brushed Aluminum wall plate and black knob included.
- Hardware items include mounting screws.

Part #	Time Setting Up To	Degree of Wind	With Hold	General Purpose	Flourescent	CFL Ready	Switching	Volts	Hz	Amps	HP
72130AB	60 Min. (1 Hr.)	360		x	<b>NOTE: Do NOT use with Flourescent Lamp Ballasts.</b>	x	DPST	240	60	28	1
72131AB	60 Min. (1 Hr.)	310	x	x		x					
72132AB	120 Min. (2 Hr.)	360		x		x					
72134AB	300 Min. (5 Hr.)	360		x		x					
72136AB	720 Min. (12 Hr.)	360		x		x					
72137AB	720 Min. (12 Hr.)	310	x	x		x					
72144AB	15 Minutes	360		x		x					
72146AB	30 Minutes	360		x		x					
74112AB	60 Min. (1 Hr.)	360		x		SPDT	240	60	28	1	
74113AB	60 Min. (1 Hr.)	310	x	x							x
74114AB	120 Min. (2 Hr.)	360		x							x
74116AB	300 Min. (5 Hr.)	360		x							x
74118AB	720 Min. (12 Hr.)	360		x							x
74119AB	720 Min. (12 Hr.)	310	x	x							x
74122AB	15 Minutes	360		x							x
74124AB	30 Minutes	360		x							x

Use for: Pools, Saunas, heavy duty blower control and other circuits requiring a 28 Amp load.

# Increased IAQ

## The Benefits of Proper Ventilation

### *It's no secret....*

Indoor **Air Quality (IAQ)** has been suggested to be directly related to good health and well being. That's why home owners, businesses, hotels and other commercial and industrial facilities analyze their ventilation systems to ensure pollutants, moisture and odors are being constantly reduced. If excess moisture is not removed from bathrooms, high humidity levels can lead to mold spore growth and buildup of allergens, as well as potentially causing serious structural damage.

Did you know that exhaust fans are only one ingredient to effective ventilation? With its unique timer-controlled devices, the **MarkTime® In-Wall Technology** ensures high moisture areas are properly ventilated for the right amount of time, while also saving energy.

Wholehouse ventilation (such as an attic fan) removes hot air in the summer and replaces it with cool air, preventing weather-induced home deterioration caused by heat and moisture buildup in the home. "Spot" or localized ventilation, used for a particular area such as the bathroom, can also be used to recycle air.

While both types of ventilation contribute significantly to good health and structure protection, a control device is needed to complete the solution. With single or dual switching control, MarkTime wall box time switches allow for independently turning a fan on and off for a pre-set time.

### *Integrated Timing Solution For Better IAQ With MarkTime® Brand Switches*

#### **1** **The Condition**



*Poor ventilation and excess moisture, results in unhealthy mold growth.*

#### **2** **Partial Solution**



*Spot and wholehouse exhaust fans recycle the air but lack effective timing controls.*

#### **3** **Complete Solution**



*MarkTime® Wall Box Technology provides timing control with Pre-Set "On/Off" duration.*

*Look to the*

# **MARKTIME®**

*Brand of Energy Saving Products*

*for your energy saving solutions!*

**MH RHODES** **CRAMER**  
*Precision Crafted Timers, Motors and Measuring Devices*

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# More Products From M.H. Rhodes Cramer Co.

***T***hank you for your interest....

in our high quality wall box time switches. MarkTime® lighting and ventilation controls save time, energy and promote safe and healthy lifestyles.

***D***id you know....?

M.H. Rhodes/Cramer Company also offers other precision hand crafted timers and motors. Spring, bell and panel mount timers as well as permanent magnet motors are assembled in our South Windsor, Connecticut facility.

MarkTime spring wound timers are used in viewing binoculars so Manhattan seems close enough to touch from the New Jersey shore!

MarkTime bell timers are used in commercial ovens, steamers, waffle irons and even panini grills ensuring your favorite foods are cooked to perfection!

MarkTime panel mount timers are used in a variety of heavy duty applications, including pools and saunas to ensure leisure time is more relaxing!

Cramer cycle timers are used in commercial HVAC actuators and dampers to control indoor air handling and temperature control. They are also used in warewashers and sterilizers providing clean, healthy dishes, glasses and flat ware so dinner tastes its best at your favorite restaurant!

Cramer permanent magnet motors are an essential part of ATM machines, POP displays and ticket dispensers so you can get the cash you need to purchase a train ticket and enjoy an ice cold soda while you're waiting!

Cramer hour meters are used in construction and heavy equipment as well as passenger boarding bridges monitoring "in-service" time to guarantee accurate timing of equipment service and preventive maintenance, keeping you safe!

*Model 635 Hour Meters  
for aircraft boarding bridges*



*107 Series Permanent  
Magnet Motors for ATMs*



*19 Series Spring timers  
for viewing binoculars*



*22 Series Bell timers  
for commercial ovens*



*70 Series Panel Mount timers  
for saunas*



*C-11 Cycle timers  
for HVAC roof top systems*

*C-10 Cycle timers  
for commercial dishwashers*



*We are grateful to our customers who provided these application images: Sauna interior by SaunaKing, Inc; Rooftop chiller by Carrier Corp; Warewasher by ECOLAB and the Passenger boarding bridge by potential customer JBT Aero Tec. Thank you!*