

# GPS Timers Product Catalog

2018

The Most Reliable & Accurate  
Electrical Timers  
On Planet Earth  
Guaranteed!



**GPS**  
LightLock

**GPS**  
Solar  
Timers.com

**GPS**  
Timers

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# GPS Timers

*The World's Only Brand of Fully Automatic Timers*



**The Only Timers On Earth That  
Automatically Know Where & When They Are**

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# GPS Timers

*The World's Only Brand of Fully Automatic Timers*

## 15 Year Warranty Lifetime Maintenance Free

- Never needs programming, maintenance or human intervention of any kind, for life!
- Self-Recovers from All Power Outages
- Costs Less Than a Single Service Trip Charge

US Patent 8,816,842  
Other Patents Pending

## 15 Year Warranty Lifetime Maintenance Free

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# GPS Timers

*The World's Only Brand of Fully Automatic Timers*

## Available Types Of GPS Timers

- Time of Day & Interval Scheduling Timers
- Astronomical Timers
- Run Time & Relative Run Time Timers
- 0-10V Dimming & PWM Dimming Timers
- Signaling & Pulse Timers
- Photocell Integrated Timers\*
- Day of Week Scheduling Timers\*
- Calendar & Seasonal Scheduling Timers\*

**And Any Combination Of The Above**

\* coming 2019

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# GPS Timers

*The World's Only Brand of Fully Automatic Timers*

## The #1 Preferred Electrical Timer for

- **Facilities Managers**
- **Electrical Contractors**
- **Public Utilities**
- **Cities, Counties & State Agencies**
- **Lodging & Resort Industry**
- **Fortune 500 Companies**
- **Public Schools Districts**
- **Departments of Transportation**
- **HOA & Condo Associations**
- **Retail, Office & Industrial Properties**

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# GPS Timers

*The World's Only Brand of Fully Automatic Timers*

## How It Works

**GPS Timers** brand electrical timers automatically synchronize with the GPS satellite system atomic clock when powered up. Your latitude, longitude, date and time are automatically loaded into a secondary microcontroller where they become the basis of your switching schedule for the life of the product.

Your systems will switch on time every time and we guarantee it!

All programming is factory hard coded. There's nothing to learn, monitor or maintain. You won't need any servers, software or network infrastructure. You can even start with a single stand alone unit and scale any size area or region at your convenience. The GPS system is always free and it's always on.

**GPS Timers** will self-recover from all power outages. It doesn't need batteries. You can even move it from one location to another because it always knows where it is. It pays for itself many times over in service call savings alone over the life of the product. You'll save energy by having the most reliable switching schedule possible. You'll maximize the full rated service life of your equipment, and you'll put an end to complaints about erratic & inefficient switching with **GPS Timers**.

**GPS Timers are manufactured in Fort Myers, FL USA!**

## History of GPS Timers

**GPS Timers** began as GPS LightLock in 2011 as a student project in the engineering department at Florida Gulf Coast University in the Florida Everglades. Then existing controls consisted primarily of photocells and programmable timers often resulting in "day burners" because controls were short lived, not maintained, or both.

The objective was to remove the human element from lighting controls and it has worked very well.

With requests coming in daily from other industries for reliable timers to do so much more than switch lights, we developed the GPS Timers division of our company, Applied Physics Laboratories LLC. We hope you will find our timers to be what others have found them to be...

**The World's Most Accurate, Dependable & Simplest To Use  
Electrical Timers Ever Made!**

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# GPS Timers

*The World's Only Brand of Fully Automatic Timers*

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# GPS Timers

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## Timer Scheduling Options & Functions

**Combine any or all of the following to meet your requirements**

**Astronomical Time** to switch relative to **Sunrise, Solar Noon, Sunset** and any offsets therefrom.

**Local Time** for your time zone with or without automatic daylight savings time.

**Dimming Control** for 0-10V Dimming, PWM Dimming or PWM Waveform Signal.

**Interval Scheduling** for up to 30 events per 24 hour period.

**Signal Pulses** to sound a bell, tone or other signaling device, or to initiate or terminate a process.

**Photocell Integrated** where we couple the timing output to an encapsulated extra-long-life ceramic based mil-spec photocell.

**Run Time** or **Relative Run Time** to run for a defined period relative to on time.

**Calendar Scheduling** for day of week, seasonal control, holiday scheduling, etc.

**Environmental Compliance Blackout Control** for dark sky regulatory compliance, turtle timers for beach areas and any other application where ordinance or law restricts or regulates outdoor lighting with or without seasonal control to meet your requirements.

**Priority Scheduling** for example when you want lights on from Sunset to 11pm and on again from 7am until Sunrise, but at certain times of the year Sunrise may come before 7am in which case we assign a higher priority to have the lights off from Sunrise to Sunset.

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# GPS Timers

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## Ordering Switch Times

### Suggested Switch Times for outdoor area lighting:

Sunset to Sunrise for general dusk-to-dawn applications and installations where an extra sense of security is not indicated.

Sunset minus 20 minutes until Sunrise plus 20 minutes for academic, retail, lodging, public safety and other installations where an extra sense of security is indicated. This assures the lights are on during times of inclement weather immediately before sunset and after sunrise.

### To Order Custom Switching & Dimming Schedules (no extra charge):

We can accommodate any schedule you need up to 30 events per day. Switch times can be relative to solar events (sunrise, solar noon and sunset), your local time, run time relative to on time, signal pulses, intervals of time and priority override for when schedules inversely overlap due to seasonal changes.

Simply call us **toll-free (833) GPS-TIME (833-477-8463)** or place a note on your order along with a contact phone number in case there's any clarification necessary.

We're always happy to hear from our customers & distributors and assist you with placing your orders.

### For local switch times we need to know:

The time zone for the installation location, and,  
Whether the installation location uses Daylight Savings Time.

**Programming of your custom switch and dimming schedules is simple, quick and free.**

**There is no minimum order requirement for free custom programming. Orders placed by 2pm EST ship same day from Ft Myers, FL.**

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# GPS Timers

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## Fast Order GPS Timers

**Always in stock and available for same day shipping for orders placed by 2pm EST**

Description	Model No.	MSRP
<b>Sunset to Sunrise (standard dusk-to-dawn applications)</b>		
120-277 VAC Twist-Lock	GPS-MV-T	\$59.99
120-277 VAC Wire-In	GPS-MV-W	\$63.99
120-277V, WP SM Box Kit w/ Bypass On	GPS-MV-BK-S	\$78.99
<b>Sunset - 20 minutes until Sunrise + 20 minutes (extra sense of security)</b>		
120-277 VAC Twist-Lock	GPS-MV-T-20X	\$59.99
120-277 VAC Wire-In	GPS-MV-W-20X	\$63.99
120-277V, WP SM Box Kit w/ Bypass On	GPS-MV-BK-S-20X	\$78.99

Listed to UL916, ANSI C136.10, ANSI C136.41, FCC Part 15, CSA 22.2 No. 205, CE, ASHRAE 90.1, ICC IECC. 10,000 Amp surge protection, 382 Joules MOV Lightning Arrestor, NEMA 3R enclosure for indoor or outdoor installation, -40 to 176 F ambient operating environment, RoHS (except photocell integrated).

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# GPS Timers

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## Twist-Lock

Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell



# 120V

Twist-Lock 120VAC, 15A	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-120-T	\$59.99
Add 0-10V Dimming	GPS-120-T-010	\$62.99
Add PWM Dimming	GPS-120-T-PWM	\$62.99
On/ Off Sunset-20m to Sunrise+20m	GPS-120-T-20X	\$59.99
Add 0-10V Dimming	GPS-120-T-20X-010	\$62.99
Add PWM Dimming	GPS-120-T-20X-PWM	\$62.99
Any Custom Programming Required	GPS-120-T-CP	\$59.99
Add 0-10V Dimming	GPS-120-T-010-CP	\$62.99
Add PWM Dimming	GPS-120-T-PWM-CP	\$62.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-120-T--SN2XH	\$59.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-120-T--SN5XH	\$59.99

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## Twist-Lock



Free Custom Programming Available  
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On Every Unit We Sell

## 120-277V

Twist-Lock 120-277VAC, 1800VA	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-MV-T	\$59.99
Add 0-10V Dimming	GPS-MV-T-010	\$62.99
Add PWM Dimming	GPS-MV-T-PWM	\$62.99
On/ Off Sunset-20m to Sunrise+20m	GPS-MV-T-20X	\$59.99
Add 0-10V Dimming	GPS-MV-T-20X-010	\$62.99
Add PWM Dimming	GPS-MV-T-20X-PWM	\$62.99
Any Custom Programming Required	GPS-MV-T-CP	\$59.99
Add 0-10V Dimming	GPS-MV-T-010-CP	\$62.99
Add PWM Dimming	GPS-MV-T-PWM-CP	\$62.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-MV-T--SN2XH	\$59.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-MV-T--SN5XH	\$59.99

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# GPS Timers

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## Wire-In

Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell

# 120V

Wire-In 120VAC, 15A	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-120-W	\$61.99
Add 0-10V Dimming	GPS-120-W-010	\$69.99
Add PWM Dimming	GPS-120-W-PWM	\$69.99
On/ Off Sunset-20m to Sunrise+20m	GPS-120-W-20X	\$61.99
Add 0-10V Dimming	GPS-120-W-20X-010	\$69.99
Add PWM Dimming	GPS-120-W-20X-PWM	\$69.99
Any Custom Programming Required	GPS-120-W-CP	\$61.99
Add 0-10V Dimming	GPS-120-W-010-CP	\$69.99
Add PWM Dimming	GPS-120-W-PWM-CP	\$69.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-120-W--SN2XH	\$61.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-120-W--SN5XH	\$61.99

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## Wire-In

Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell

## 120-277V

Wire-In 120-277VAC, 1800VA	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-MV-W	\$63.99
Add 0-10V Dimming	GPS-MV-W-010	\$71.99
Add PWM Dimming	GPS-MV-W-PWM	\$71.99
On/ Off Sunset-20m to Sunrise+20m	GPS-MV-W-20X	\$63.99
Add 0-10V Dimming	GPS-MV-W-20X-010	\$71.99
Add PWM Dimming	GPS-MV-W-20X-PWM	\$71.99
Any Custom Programming Required	GPS-MV-W-CP	\$63.99
Add 0-10V Dimming	GPS-MV-W-010-CP	\$71.99
Add PWM Dimming	GPS-MV-W-PWM-CP	\$71.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-MV-W--SN2XH	\$63.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-MV-W--SN5XH	\$63.99

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## Wire-In

Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell

# 24VDC

Wire-In 24VDC, 7A

Model No.

MSRP

On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-24D-W	\$63.99
Add 0-10V Dimming	GPS-24D-W-010	\$71.99
Add PWM Dimming	GPS-24D-W-PWM	\$71.99
On/ Off Sunset-20m to Sunrise+20m	GPS-24D-W-20X	\$63.99
Add 0-10V Dimming	GPS-24D-W-20X-010	\$71.99
Add PWM Dimming	GPS-24D-W-20X-PWM	\$71.99
Any Custom Programming Required	GPS-24D-W-CP	\$63.99
Add 0-10V Dimming	GPS-24D-W-010-CP	\$71.99
Add PWM Dimming	GPS-24D-W-PWM-CP	\$71.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-24D-W--SN2XH	\$63.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-24D-W--SN5XH	\$63.99

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# GPS Timers

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## Pull Elbow & 3-Hole Cover

Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell

# 120V

Add your own photocontrol

Vertical or Horizontal Installation



Pull Elbow & 3-Hole Cover Kit, 120VAC, 15A

Model No.

MSRP

On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-120-3HC	\$76.99
Add 0-10V Dimming	GPS-120-3HC-010	\$84.99
Add PWM Dimming	GPS-120-3HC-PWM	\$84.99
On/ Off Sunset-20m to Sunrise+20m	GPS-120-3HC-20X	\$76.99
Add 0-10V Dimming	GPS-120-3HC-20X-010	\$84.99
Add PWM Dimming	GPS-120-3HC-20X-PWM	\$84.99
Any Custom Programming Required	GPS-120-3HC-CP	\$76.99
Add 0-10V Dimming	GPS-120-3HC-010-CP	\$84.99
Add PWM Dimming	GPS-120-3HC-PWM-CP	\$84.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-120-3HC-SN2XH	\$76.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-120-3HC-SN5XH	\$76.99

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# GPS Timers

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## Pull Elbow & 3-Hole Cover

Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell

# 120-277V

← Add your own photocontrol

Vertical or Horizontal Installation



Pull Elbow & 3-Hole Cover Kit, 120-277V, 1800VA	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-MV-3HC	\$78.99
Add 0-10V Dimming	GPS-MV-3HC-010	\$86.99
Add PWM Dimming	GPS-MV-3HC-PWM	\$86.99
On/ Off Sunset-20m to Sunrise+20m	GPS-MV-3HC-20X	\$78.99
Add 0-10V Dimming	GPS-MV-3HC-20X-010	\$86.99
Add PWM Dimming	GPS-MV-3HC-20X-PWM	\$86.99
Any Custom Programming Required	GPS-MV-3HC-CP	\$78.99
Add 0-10V Dimming	GPS-MV-3HC-010-CP	\$86.99
Add PWM Dimming	GPS-MV-3HC-PWM-CP	\$86.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-MV-3HC-SN2XH	\$78.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-MV-3HC-SN5XH	\$78.99

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## Pull Elbow & 3-Hole Cover

Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell

# 24 VDC

Add your own photocontrol

Vertical or Horizontal Installation



Pull Elbow & 3-Hole Cover Kit, 24VDC, 7A	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-24D-3HC	\$78.99
Add 0-10V Dimming	GPS-24D-3HC-010	\$86.99
Add PWM Dimming	GPS-24D-3HC-PWM	\$86.99
On/ Off Sunset-20m to Sunrise+20m	GPS-24D-3HC-20X	\$78.99
Add 0-10V Dimming	GPS-24D-3HC-20X-010	\$86.99
Add PWM Dimming	GPS-24D-3HC-20X-PWM	\$86.99
Any Custom Programming Required	GPS-24D-3HC-CP	\$78.99
Add 0-10V Dimming	GPS-24D-3HC-010-CP	\$86.99
Add PWM Dimming	GPS-24D-3HC-PWM-CP	\$86.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-24D-3HC-SN2XH	\$78.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-24D-3HC-SN5XH	\$78.99

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# GPS Timers

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## WP Surface Mount Box Kit



Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell

# 120V



Periodic Inspection of Lighting System Is  
As Easy As Flipping A Switch.  
Lockable To Prevent Tampering.

WP Surface Mount Box Kit 120VAC, 15A SPST Bypass On, Weatherproof Cover	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-120-BK-S	\$76.99
Add 0-10V Dimming	GPS-120-BK-S-010	\$84.99
Add PWM Dimming	GPS-120-BK-S-PWM	\$84.99
On/ Off Sunset-20m to Sunrise+20m	GPS-120-BK-S-20X	\$76.99
Add 0-10V Dimming	GPS-120-BK-S-20X-010	\$84.99
Add PWM Dimming	GPS-120-BK-S-20X-PWM	\$84.99
Any Custom Programming Required	GPS-120-BK-S-CP	\$76.99
Add 0-10V Dimming	GPS-120-BK-S-010-CP	\$84.99
Add PWM Dimming	GPS-120-BK-S-PWM-CP	\$84.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-120-BK-S-SN2XH	\$76.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-120-BK-S-SN5XH	\$76.99

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## WP Surface Mount Box Kit



Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell

# 120-277V



Periodic Inspection of Lighting System Is  
As Easy As Flipping A Switch.  
Lockable To Prevent Tampering.

WP Surface Mount Box Kit 120-277VAC, 1800VA SPST Bypass On, Weatherproof Cover	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-MV-BK-S	\$78.99
Add 0-10V Dimming	GPS-MV-BK-S-010	\$86.99
Add PWM Dimming	GPS-MV-BK-S-PWM	\$86.99
On/ Off Sunset-20m to Sunrise+20m	GPS-MV-BK-S-20X	\$78.99
Add 0-10V Dimming	GPS-MV-BK-S-20X-010	\$86.99
Add PWM Dimming	GPS-MV-BK-S-20X-PWM	\$86.99
Any Custom Programming Required	GPS-MV-BK-S-CP	\$78.99
Add 0-10V Dimming	GPS-MV-BK-S-010-CP	\$86.99
Add PWM Dimming	GPS-MV-BK-S-PWM-CP	\$86.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-MV-BK-S-SN2XH	\$78.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-MV-BK-S-SN5XH	\$78.99

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# GPS Timers

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## WP Surface Mount Box Kit



Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell

# 24 VDC



Periodic Inspection of Lighting System Is  
As Easy As Flipping A Switch.  
Lockable To Prevent Tampering.

WP Surface Mount Box Kit 24VDC, 3A SPST Bypass On, Weatherproof Cover	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-24D-BK-S	\$128.99
Add 0-10V Dimming	GPS-24D-BK-S-010	\$136.99
Add PWM Dimming	GPS-24D-BK-S-PWM	\$136.99
On/ Off Sunset-20m to Sunrise+20m	GPS-24D-BK-S-20X	\$128.99
Add 0-10V Dimming	GPS-24D-BK-S-20X-010	\$136.99
Add PWM Dimming	GPS-24D-BK-S-20X-PWM	\$136.99
Any Custom Programming Required	GPS-24D-BK-S-CP	\$128.99
Add 0-10V Dimming	GPS-24D-BK-S-010-CP	\$136.99
Add PWM Dimming	GPS-24D-BK-S-PWM-CP	\$136.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-24D-BK-S-SN2XH	\$128.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-24D-BK-S-SN5XH	\$128.99

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## WP Surface Mount Box Kit



Free Custom Programming Available  
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On Every Unit We Sell

# 120V

WP Surface Mount Box Kit 120VAC, 15A No Bypass, Blank Weatherproof Cover	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-120-BK-B	\$74.99
Add 0-10V Dimming	GPS-120-BK-B-010	\$82.99
Add PWM Dimming	GPS-120-BK-B-PWM	\$82.99
On/ Off Sunset-20m to Sunrise+20m	GPS-120-BK-B-20X	\$74.99
Add 0-10V Dimming	GPS-120-BK-B-20X-010	\$82.99
Add PWM Dimming	GPS-120-BK-B-20X-PWM	\$82.99
Any Custom Programming Required	GPS-120-BK-B-CP	\$74.99
Add 0-10V Dimming	GPS-120-BK-B-010-CP	\$82.99
Add PWM Dimming	GPS-120-BK-B-PWM-CP	\$82.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-120-BK-B-SN2XH	\$74.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-120-BK-B-SN5XH	\$74.99

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## WP Surface Mount Box Kit



Free Custom Programming Available  
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On Every Unit We Sell

## 120-277V

WP Surface Mount Box Kit 120-277VAC, 1800VA No Bypass, Blank Weatherproof Cover	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-MV-BK-B	\$76.99
Add 0-10V Dimming	GPS-MV-BK-B-010	\$84.99
Add PWM Dimming	GPS-MV-BK-B-PWM	\$84.99
On/ Off Sunset-20m to Sunrise+20m	GPS-MV-BK-B-20X	\$76.99
Add 0-10V Dimming	GPS-MV-BK-B-20X-010	\$84.99
Add PWM Dimming	GPS-MV-BK-B-20X-PWM	\$84.99
Any Custom Programming Required	GPS-MV-BK-B-CP	\$76.99
Add 0-10V Dimming	GPS-MV-BK-B-010-CP	\$84.99
Add PWM Dimming	GPS-MV-BK-B-PWM-CP	\$84.99
Solar System Load Optimizers		
On/ Off Solar Noon -2h to Solar Noon +2h	GPS-MV-BK-B-SN2XH	\$76.99
On/ Off Solar Noon -5h to Solar Noon +5h	GPS-MV-BK-B-SN5XH	\$76.99

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## WP Surface Mount Box Kit

Free Custom Programming Available  
To Meet Your Requirements  
On Every Unit We Sell

# 24 VDC

WP Surface Mount Box Kit 120-277VAC, 1800VA No Bypass, Blank Weatherproof Cover	Model No.	MSRP
On/ Off Sunset to Sunrise (standard dusk to dawn control)	GPS-24D-BK-B	\$78.99
Add 0-10V Dimming	GPS-24D-BK-B-010	\$86.99
Add PWM Dimming	GPS-24D-BK-B-PWM	\$86.99
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