

# Low Voltage System

The Platinum Low Voltage lighting system can power up to 120 candle pods depending on the length of cables used during the installation this can reduce the number of pods to 24 per outlet (96 in total)

The Instructions should be read , prior to commencing the installation, failure to follow these instructions will void your warranty.

## Check that you have the following items:

- Platinum Low Voltage Control Box
- Power Adaptor with A/C Lead
- Power pods
- LED Candles
- AWG26 Cable.

## Items you will need for Installation:

- Number 1 Size Philips style screw driver
- Set of Wire strippers and cutters.

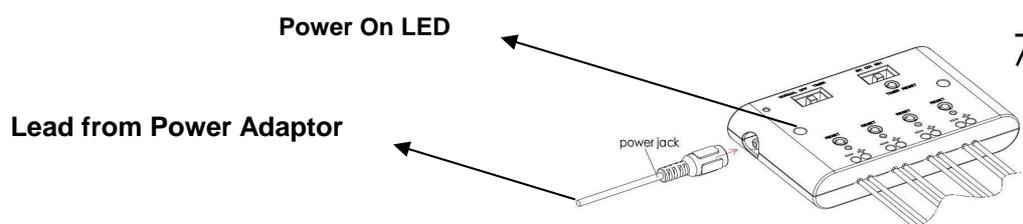


## Getting Started **IMPORTANT**

The Platinum Low Voltage system is designed to check as each Pod is wired in to the system that it has been wired correctly i.e. the polarity is correct. when the pod is correctly wired a "Green LED" will illuminate on the Pod to confirm The polarity is correct

For this feature to work correctly the Control box must be connected to the adaptor with the power ON , once plugged in the "Green Power On" indicator will illuminate.

## **IMPORTANT - DO NOT CONNECT THE CONTROL BOX DIRECTLY TO THE MAINS** **Connecting the Control box to the Adaptor.**

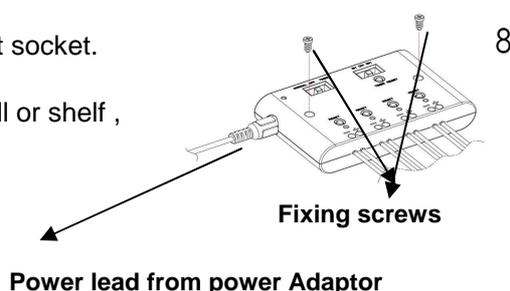


The Power Adaptor that is supplied with the control box is a switch mode unit , it will operate from 100V - 240 volts.

First connect the small socket from the power Adaptor to the input socket of the control box as shown in "7" and "8"

Next plug the mains plug in to the A/C outlet socket.

The control box can be mounted on to a wall or shelf , the screw holes as shown picture "8"



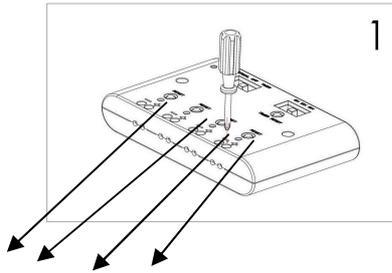
# WIRING the Pods

With the Control box power ON and switched ON



## IMPORTANT

The AWG26 Cable = The "COPPER" coloured wire should always be connected to "+" Connector on the system , at the control box terminals and on the Pods" to ensure the correct Polarity is maintained the "SILVER" cable should be used on the "-" feed.

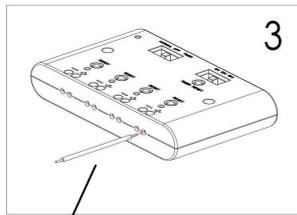


Output channels to candles

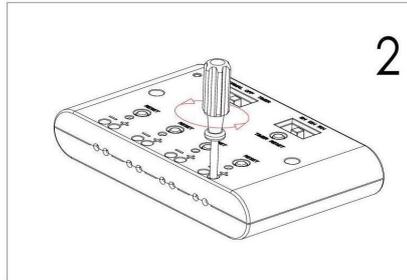
### Connecting the candles

Each Control box has 4 output channels  
Each channel can power up to a maximum 30 Candles

First use a screw driver to loosen the cable screws

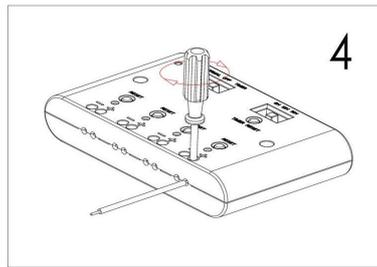


Wire to candle pods



Strip the cable by approx 1cm / 1/4"

With the screw terminal open insert the first cable ensure that the positive feed (Copper) cable is inserted in to the "+" terminal and the negative feed (Silver) into the "-" terminal.

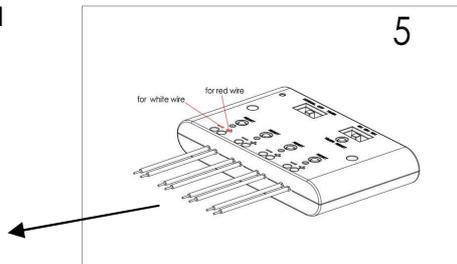


Once the cable is in place use the screw driver to tighten the terminal screw, to ensure the cable is held in place.

## IMPORTANT

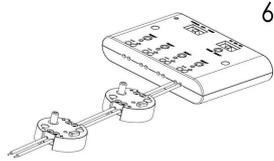
If all 4 channels are being used  
After you have finished the first line of Pods you would repeat the process in the next output Output channel.

**4 Output channels**  
**Maximum 96-120 candles**  
**Depending on the length of cable used**

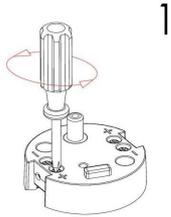


Remember up to 30 candles can be powered from each output terminal.

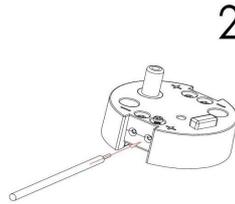




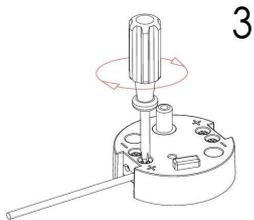
With the output cables in place you can now start to connect the candle "pods" as shown in "6"



First unscrew the wire terminal socket to enable the cable to be connected

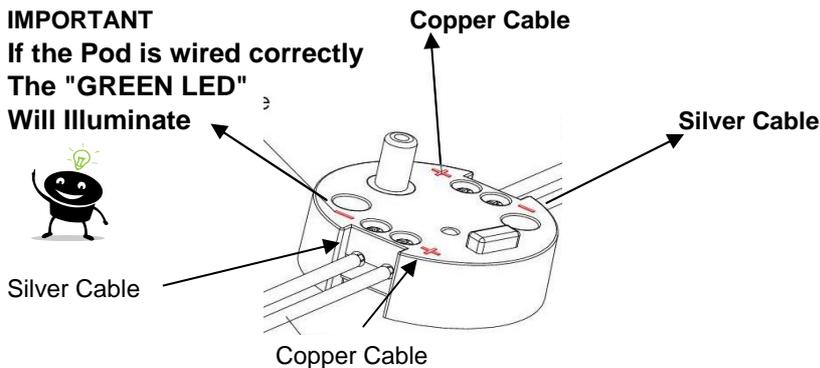


Next taking the correct cable fit it in to the screw terminal socket ensure that you fit the correct cable  
 \* Remember positive feed "+" socket  
 Negative feed "-" negative socket  
**REMEMBER Copper Cable "+" FEED**  
**REMEMBER Silver Cable "-" FEED**



With the cable in place use the screw driver to tighten the screw terminal to ensure the cable is held in place.

**IMPORTANT**  
 If the Pod is wired correctly  
 The "GREEN LED"  
 Will Illuminate



With the cables correctly fitted you should end up with the above Following the terminal markings as shown on the candle pods.

**NOTE:**

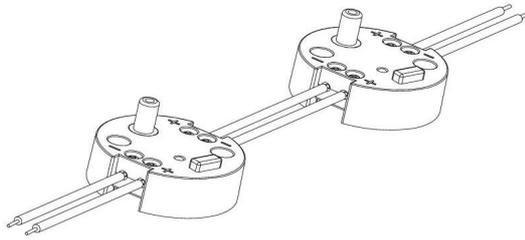
If the "GREEN" LED is not illuminated on the Pod , check

FAULT TEST	ACTION	Next
* Is the Control box Power On ,	YES	Check the Pod Wiring
* Is the Control box Power On ,	NO	Switch On the Power

Before moving to wire the next Pod ensure that the first pod is wired correctly and the Green LED indicator on the Pod is illuminated.

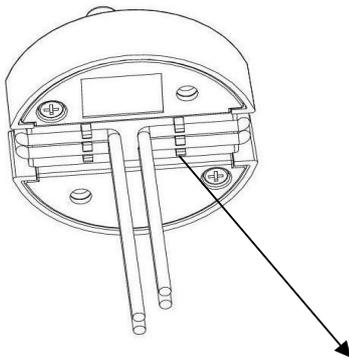
**If the Pod is wired correctly then you can fit the candle.Go To Section 8**

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Next repeat the process and continue to add the additional pods  
Ensure that each feed does not exceed 30 pods.  
If more than 30 are connected to the control box in a single line  
the current limiter will switch off the power to the output socket

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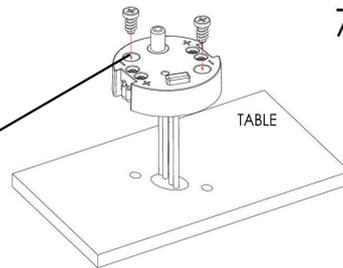
Cable clips

For situations where the cable needs to be concealed the output cables can be clipped to the under side of the pods

by using this method the cables can be taken through a shelf and hidden from sight. as shown below in "7")

NOTE

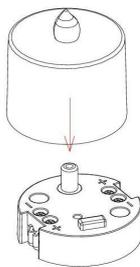
The candle pods can also be screwed to the location as shown



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### FITTING THE CANDLES

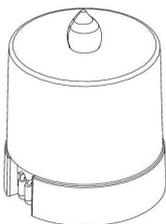
8



With the candle pod in place and correctly fitted then the candle can be fitted to the pod as shown

To fit the candle simply look for the socket in the base of the candle and locate this on to the socket of the pod  
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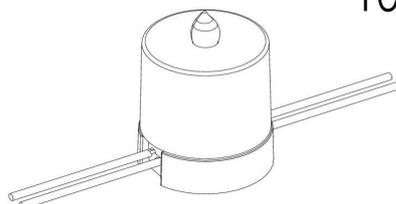
9



The candle should fit on to the pod as shown.

The candle above would be how it would look wired with the cable hidden

10



The candle in "10" is how it would look with the cable mounted on the surface.

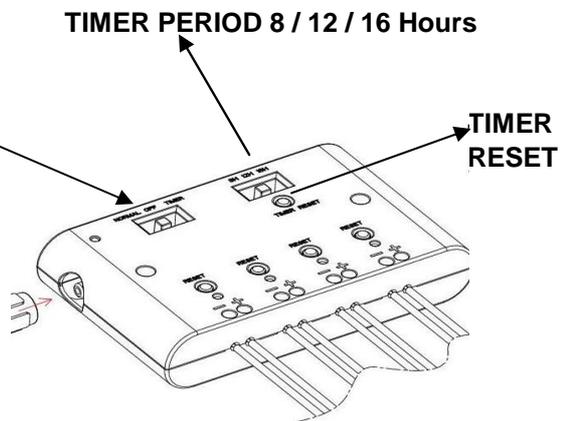
# CONTROL BOX FEATURES

## NORMAL /OFF/TIMER MODES

This switch is used for:  
On/Off Mode  
Timer Mode

If switched to "ON" then the power will be on all the time

If switched to "Timer" mode then you can select the amount of time you want the system on for



To select the time use the other switch as shown in the diagram above "Timer Period"

You have 3 options: 8 Hour , 12 Hour , or 16 Hours.

The timer is based on a 24 hour period , so if you select say 12 hours then the system will be "On" for 12 Hours and "Off" for 12 hours.

Select the time you want , 8 , 12 , or 16 when you have set the switch to the desired time Press the "TIMER RESET" Button located next to the timer mode switch (see above diagram)

Pushing the button will start the timer system if you want to reset the time then press the timer reset button again;

### E.G.: 12 Hour Timer



**Time on 12.00 Noon**

**Press the reset button at 12 Noon**

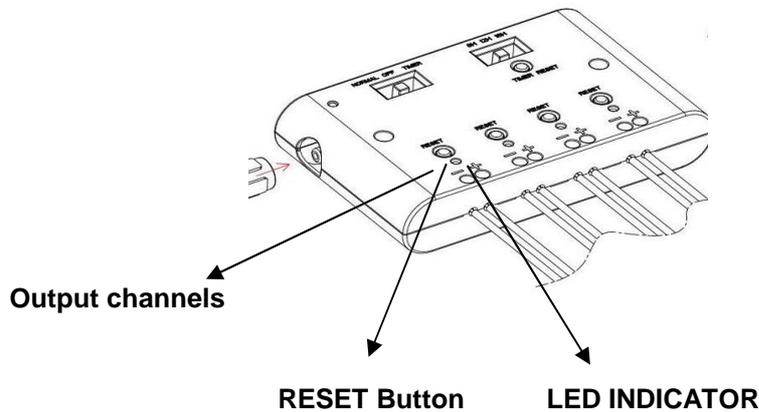
**At Midnight the system will turn Off**

Note switching between timer settings will reset the timer

If the control box power is switched off at the A/C supply this will also reset the timer.

If the power to the control box has been interrupted then the timer will need to be reset

## CONTROL BOX - OUTPUT FEED / Channels



As mentioned there are 4 Output channels from the Control Box.  
Each output channel has its own Reset button and LED Indicator Light.

### **IMPORTANT**

When the system is switched "ON" , or switched from "Normal Mode to "Timer Mode" or switched between "Timer" settings i.e. 8 hours to 12 hours say the "RED" LED Indicator lights will come on and go off in sequence from right to left this is normal and the system is self resetting.

### **RESET LED Indicator**

The Reset LED will illuminate if there is a problem in the system this can be caused by:  
Polarity is incorrect

To many candles in the line \*Remember 24-30 is the maximum per output line

NOTE the reset light "check System" will only operate when all the candles are Fitted on the pods and the system is drawing the full current from the line of candles.

### **USEFUL NOTE**

#### **RESET BUTTON - Other Use**



The Reset button can also be used to switch off the output channel from the control box to use this feature , press and hold the reset button in until the "RED" LED illuminates This feature can be used to just switch off some of the outputs and leave others on.

To switch on the output channel , simply press the "Reset Button" again and the RED LED will go out and the output channel will operate again.