Timeline Budget:

Orange LED for Basement Mode

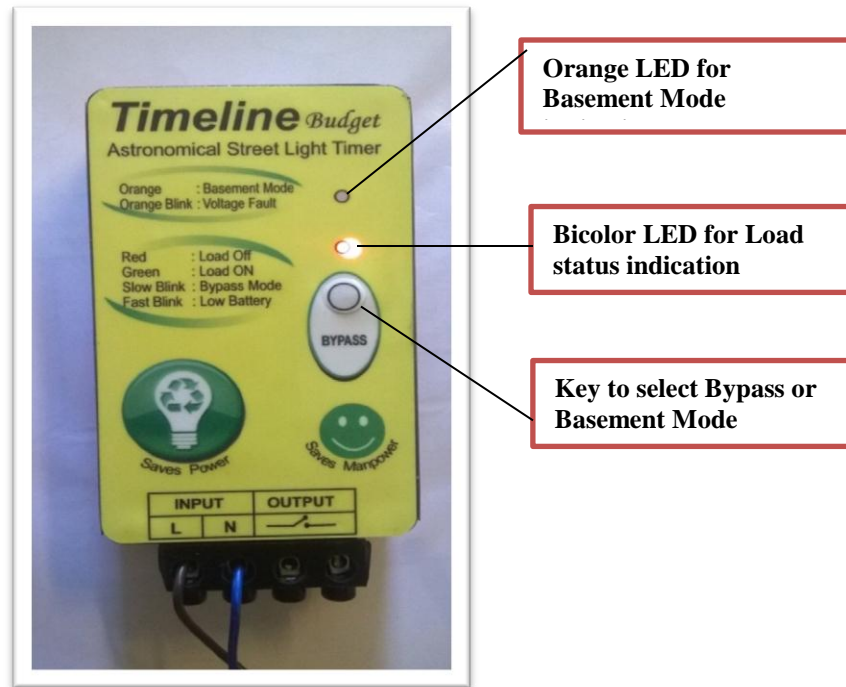Bicolor LED for Load status indication

Key to select Bypass or Basement Mode

Features/Description:

1. Astronomical timer switch with low cost minimal form factor with voltage trip feature.
2. Sunset/Sunrise time are depending upon GPS coordinates for optimized load control and energy saving.
3. Basement mode for installation in basements, Parking lots, Garage.
4. Bypass mode for Manual operation.
5. Simple interface with one key and 2 LED for indications.
6. Load status indication with bicolor LED.
7. Indication LED for Basement Mode and Voltage fault indications.
8. LED indications:
   - **RED**: load OFF
   - **GREEN**: load ON
   - **RED Blinking**: Bypassed to OFF state
   - **BICOLOR fast Blinking**: Battery low
   - **GREEN Blinking**: Bypassed to ON state
   - **ORANGE**: Cutoff state
   - **ORANGE Blinking**: Basement mode

Applications:

For Astronomical based light switching at
   - Parking lots Lights, Street Lights, Corridor Lights
   - Garage Lights, Garden Lights
   - Loads which needs to ON at Sunset and OFF at Sunrise

Operating Instructions:

1. Bypass Mode Settings

Step	Operation	Key	LED indications
1	To select Bypass Mode (To manually ON the load if load is OFF or to manually OFF the load if load is ON)	Press key 5 times.	Bicolor LED starts blinking.
2	To exit from Bypass Mode	Press key 5 times again.	Bicolor LED glows continuously.

Note: Bypass mode is used to manually turn ON load if the load is OFF or turn OFF the load if load is ON.

2. Basement Mode Settings

Step	Operation	Key	LED indications
1	To Select Basement Mode	Press and hold key for 3-4 seconds	Orange LED Glows continuously
2	To exit from Basement Mode	Press and hold key for 3-4 seconds Again	Orange LED turns OFF

Note: Basement mode is used when the device is installed in darker places like Basement, Parking lots, Garage to automatically adjust the ON/OFF times suitable for such places. **Basement mode will reduce the ON time and increases the OFF time by 25 minutes for optimized control of load**.

LED indications:

LED	LED status	Indicates
Orange	Continuously glowing	Basement Mode is selected
	Blinking	Voltage fault occurred
Bicolor	Red and continuously glowing	Load is in OFF state
	Green and continuously glowing	Load is in ON state
	Red and slow blinking	Load bypassed to OFF state
	Green and slow blinking	Load bypassed to ON state
	Fast blinking	Battery Low

Replacing Battery used for Clock backup:

This product contains in-built 3V CR2032 Lithium cell for power failure memory backup
purpose. Expected battery life is 3 to 4 years.

When the baterry is drained, 'Battery Low!!!' is seen on the LCD display.

To change the battery :

1. **Remove cover as shown in figure below**

Release the four screws at corners using
screwdriver and open the top cover.

tton cell

2.   **Locate the battery and with the help of srew driver or pointed object carefully**
    remove the battery.

Press the battery lock with the
help of a small screw driver and
pluck out the battery with the
help if a pointed object or

3. **Replace battery with the same type cell i.e. 3V CR2032 with positive terminal of battery facing**
    upwards.

    *Note: After replacing the battery, time and date settings are lost and needs to be done again. However,
    Event and holidays settings remains unaffected even if battery is removed.