

# 38247-RL

## Adjustable Recycle Timer 110/220VAC

### 01: GENERAL

Micro processor controlled, Cycle timer

**Voltage:** 110-220VAC

**Max Power:** 10A Max (2200W @ 220VAC) Recommend <80%

**Timing Range:** 0~999 (seconds, minutes, hours)

**Minimum Unit:** 1 second

**Timing Error:** ~±3s/24 hours

**Timing type:** Non - clock (countdown)

**Timed Startup:** Adjustable Time (Delayed Turn ON at Power Up or Trigger "▶/■" Button)

**Timed Shutdown:** Adjustable (Delayed Turn OFF on Trigger "▶/■" Button)

**Cycle:** 1 to 999 or Continuous Loop

**Trigger:** Automatic Trigger (Power ON) and Manual (Front Panel Switch ▶/■), Default: Automatic

**Setting Lock:** On / Off

**Relay:** SPST-NO

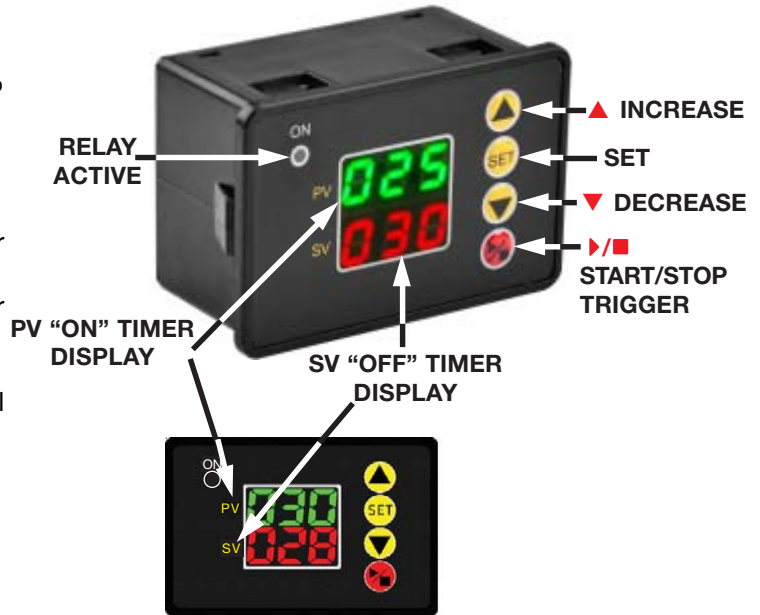
**Contact:** Non-Isolated, Active Output, Switched LINE, Common NEUTRAL

**Connections:** Terminal Strip

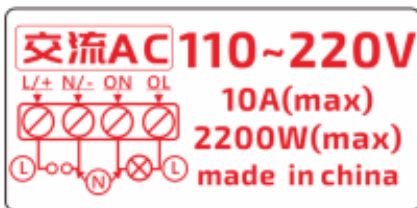
**Cutout:** 63x42mm

**W:** 67mm (2-5/8") **H:** 45mm (1-3/4") **D:** 34mm (1-5/16")

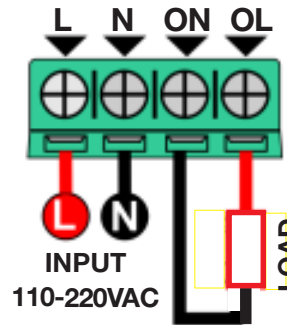
**WT:** .14



**N & ON ARE INTERNALLY CONNECTED**



**L:** Line  
**N:** Neutral  
**ON:** Neutral Out  
**OL:** Line Out



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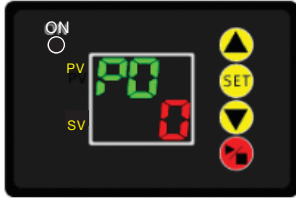
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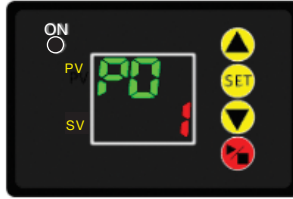
## Adjustable Recycle Timer 110/220VAC

### 02: MODE EXPLANATION

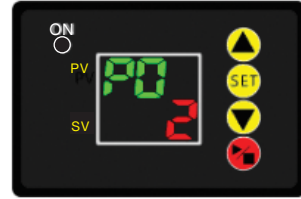
#### P0: "ON" Timing Range (Seconds Or Minuts Or Hours)



P0=0 Time is Seconds  
(Factory Default)



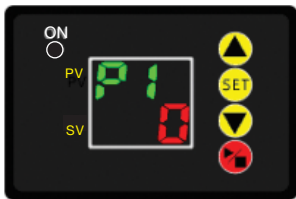
P0=1 Time is Minutes



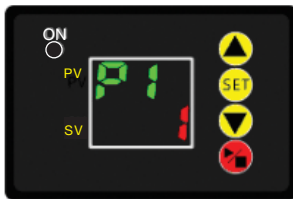
P0=2 Time is Hours

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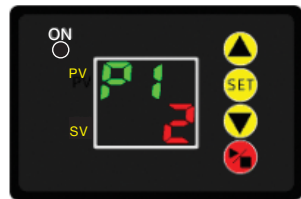
#### P1: "OFF" Timing Range (Seconds Or Minutes Or Hours)



P1=0 Time is Seconds  
(Factory Default)



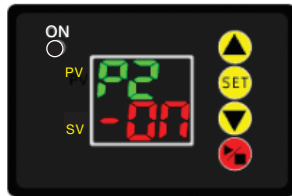
P1=1 Time is Minutes



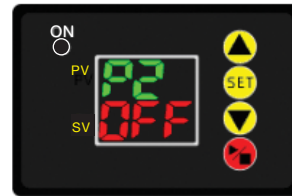
P1=2 Time is Hours

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#### P2: Output Priority



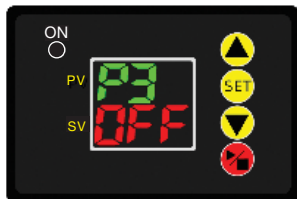
P2=ON  
Relay ON First  
(Factory Default)



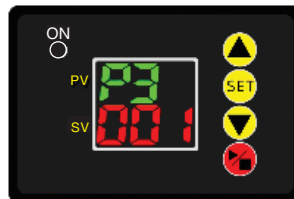
P2=OFF  
Relay OFF First

---

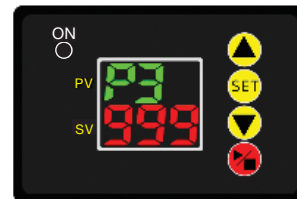
#### P3: Repeat Cycles (Loops)



P3=OFF Infinite  
Looping  
(Factory Default)



P3=1-n-999 Where n=# of cycles (Loops)



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### P4: Trigger (Start/Stop the Cycle)



P4=ON AUTO  
(Factory Default)



P4=OFF MANUAL

### P5: Lock



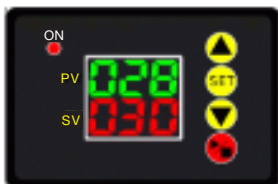
P5=ON=LOCK



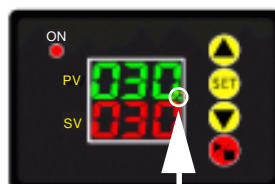
P5=OFF=UNLOCKED  
(Factory Default)

## 03: STATUS

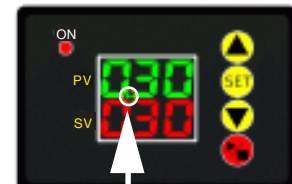
**1: Turn-On Timing (PV):** When the Output is On the "ON" indicator LED is Lit.  
The Display of the timing unit is as follows:



**SECONDS**  
NO Flashing  
Decimal Point  
Seconds Count Down



**MINUTES**  
Right Point Flashes  
once for 5 Seconds  
Minutes Count Down



**HOURS**  
Left Decimal Point  
once for 5 Seconds  
Minutes Count Down



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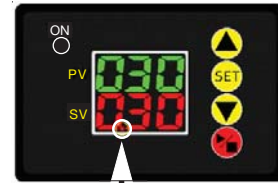
**2: Turn-Off Timing (SV):** The Output is Off, the "ON" indicator LED is Off. The Display of the timing unit is as follows:



**SECONDS**  
NO Flashing  
Decimal Point  
Seconds Count Down



**MINUTES**  
Right Point Flashes  
once for 5 Seconds  
Minutes Count Down

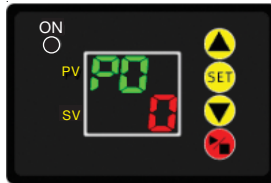
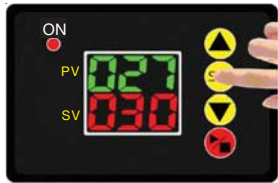


**HOURS**  
Left Decimal Point  
once for 5 Seconds  
Minutes Count Down

### 04: SET UP

**1. To Enter Code setting:** Press & Hold the "SET" key for ~6 seconds to enter the code setting mode.

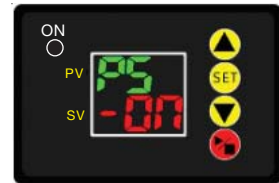
Click "SET" to Scroll P0-P5



P1



P5



**2. Select P0: ON Range (Click "SET" to Select)**

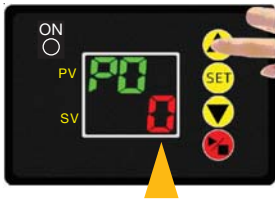
**NOTE: You are Setting the Range Not The Value**

Adjusting code parameters: Click "▲" or "▼" to adjust timing range.

**P0-0: ON Time (Set Unit of Measure-Seconds)**

**P0-1: ON Time (Set Unit of Measure-Minutes)**

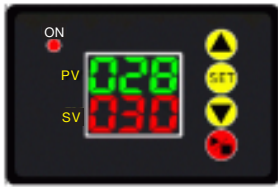
**P0-2: ON Time (Set Unit of Measure-Hours)**



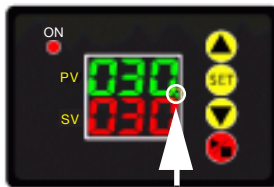
Press Set to Select (0,1 or 2)



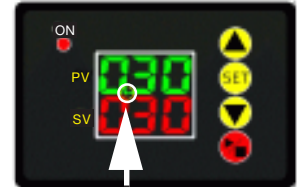
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**SECONDS**  
NO Flashing  
Decimal Points



**MINUTES**  
5 Second Flashing Tens  
Decimal Point



**HOURS**  
5 Second Flash  
Decimal Point

**2. Select P1: OFF Range (Click "SET" to Select) (Decimal Point Same As P-0 but on the Red Display)**

**NOTE: You are Setting the Range Not The Value**

Adjusting code parameters: Click "▲" or "▼" to adjust timing range.

P1-0: OFF Time (Set Unit of Measure-Seconds)

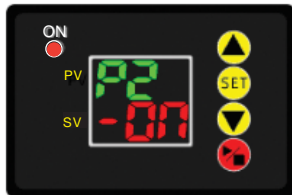
P1-1: OFF Time (Set Unit of Measure-Minutes)

P1-2: OFFTime (Set Unit of Measure-Hours)

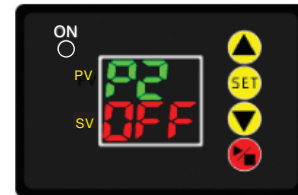
**3. Select P2: Output Priority At Power "ON": Click "SET" to select P2**

Click "▲" or "▼" Toggle "ON"-"OFF"

**OUTPUT "ON"**  
At Power On



**OUTPUT "OFF"**  
At Power On

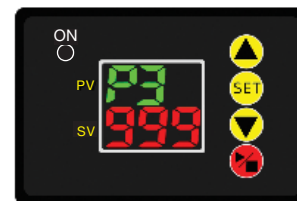
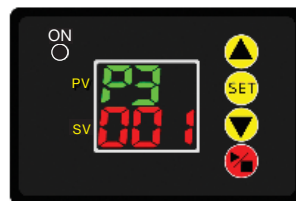
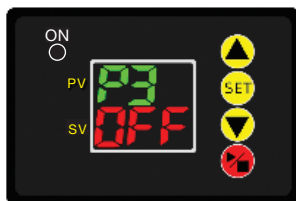


**4. Select P3: Number of Repeat Cycles: Click the "SET" key to select P3**

Click "▲" or "▼" to adjust Number of Repeat Cycles (Looping)

P3=OFF: Infinite cycles (LOOP): PV  $\approx$  0, SV  $\approx$  0

P3= "n": (where n=1-999) Cycle Timer "n" times; PV  $\approx$  0, SV  $\approx$  0



**5. Select P4: AUTO/MANUAL Trigger: Click the "SET" key to select P4**

Click "▲" or "▼" to select Auto or Manual Trigger of Timing

P4=ON=AUTO  
Timing Cycle Starts at  
Power On  
PV  $\approx$  0, SV  $\approx$  0



P4=OFF=MANUAL  
To Start Timing Cycle  
Click "▶/■"  
PV  $\approx$  0, SV  $\approx$  0

**NOTE: MANUAL: Input Power must be ON, Looping OFF**

**IF: PV  $\approx$  0 & SV= 0:** Output ON click for PV time after OFF (Delay-on-Break)

**IF: PV = 0 & SV  $\approx$  0:** Output OFF click for SV time after ON (Delay-on-Make)

P4=OFF=MANUAL Each Click "▶/■" Alternates START/STOP



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6. Select P5: LOCK: Click the "SET" key to select P5  
Click "▲" or "▼" to select Auto or Manual Trigger of Timing



**Note:** At P5, click "SET" to save and exit the code setting.

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### 05: NORMAL OPERATION

**EMERGENCY STOP:** Pressing the "⏏" Button will **STOP** Timing Cycle

To Restart Timing Cycle: Long press (3 sec.) "⏏"

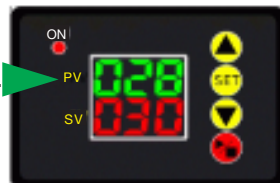
#### 1. NORMAL OPERATION: SETTING "ON" & "OFF" TIMES

**Note:** P0/P1(ON/OFF Timing Range) settings must have been previously set (Factory Default is Seconds).

To enter timing Settings: Double-click the "SET" Button to enter PV/SV Settings

##### PV: "ON" TIME

The **Green** LED Display blinks.



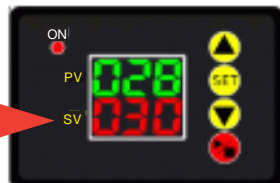
Click "▲" or "▼" to adjust timing values

---

To Set to Turn-Off (SV) timing setting: Click "SET" to store "ON" Setting & switch to Turn-Off timing setting

##### SV "OFF" TIME

The **Red** LED Display blinks.



Click "▲" or "▼" to adjust timing values

After completing the setting, click "SET" to Save and Exit



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### 05: NORMAL OPERATION

**EMERGENCY STOP:** Pressing the “” Button will **STOP** Timing Cycle

To Restart Timing Cycle: Long press (3 sec.) “”

#### 1. NORMAL OPERATION: SETTING “ON” & “OFF” TIMES

**Note:** P0/P1(ON/OFF Timing Range) settings must have been previously set (Factory Default is Seconds).

To enter timing Settings: Double-click the “SET” Button to enter PV/SV Settings

##### PV: “ON” TIME

The **Green** LED Display blinks.



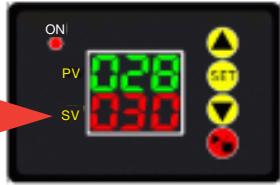
Click “▲” or “▼” to adjust timing values

---

To Set to Turn-Off (SV) timing setting: Click “SET” to store “ON” Setting & switch to Turn-Off timing setting

##### SV “OFF” TIME

The **Red** LED Display blinks.




Click “▲” or “▼” to adjust timing values

---

After completing the setting, click “SET” to Save and Exit

#### NOTES:

TRIGGER

P4=OFF (Auto Mode), To Start the program: Double-click “”

P4=ON (Manual Mode) To Start the program: click “”

To Restart a interrupted Timing Cycle: Long press (3 sec.) “”



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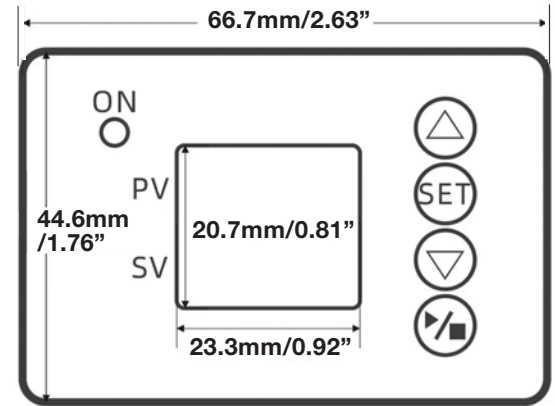
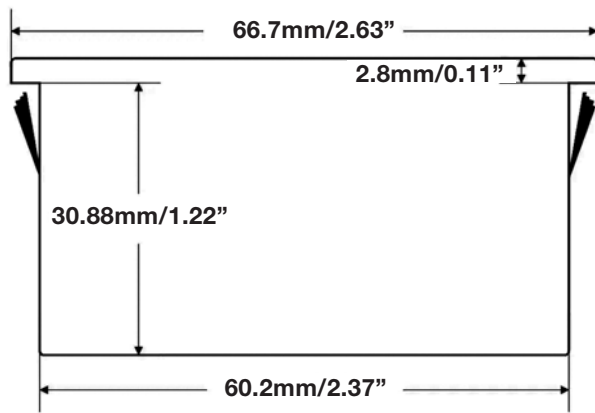
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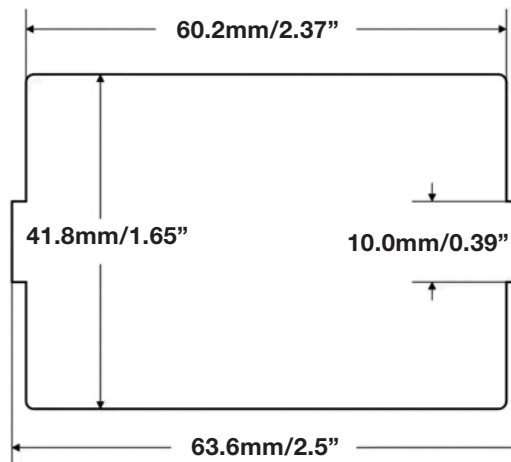
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## Adjustable Recycle Timer 110/220VAC

### 06: MECHNICAL



### PANEL CUTOUT



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