

## PANEL DESCRIPTIONS

1. Tachometer Scale
2. Bar Tachometer
3. 1st row: Temperature meter.
4. 2nd row: Other functions display
5. RESET Button
6. MODE Button
7. LED indicator symbols

|  |                                 |  |                                 |
|--|---------------------------------|--|---------------------------------|
|  | Left direction indicator/Green  |  | Engine oil / Red                |
|  | Main-beam headlamp/Blue         |  | Neutral Gear /Green             |
|  | Right direction indicator/Green |  | Reverse Gear /Red               |
|  | Hazard Warning/ Red             |  | Drive Gear /Green               |
|  | Parking/Green                   |  | Engine coolant temperature/ Red |
|  | Direction indicator/Green       |  | Rear fog lamp/Amber             |
|  | Flash Trailer/Green             |  | Engine in out of use/Red        |

## FEATURES

- LCD has 2 rows digital and an analogue bar-graphic tachometer displays with blue LEDs backlight.
- Total engine running timer is stored in memory as a maintain reminder, even when the power is off.
- Temperature range is suitable for both water and oil temperature.
- The design of engine rotation turns per signal is suitable for most engines.
- Adjustable RPM & temperature warnings and warning indicators.
- Includes temperature sensor kit.
- Vibration (8G) and mechanical shock (100G) tested.
- Water resistant tested 100%.EMI/EMS tested.

## SPECIFICATIONS

| FUNCTIONS           | Symbol | SPECIFICATIONS     | INCREMENTS | ACCURACY  |
|---------------------|--------|--------------------|------------|-----------|
| Bar Tachometer      |        | 500-12,000 rpm     | 500 rpm    |           |
| Digital Tachometer  |        | 100-19,900rpm      | 100 rpm    |           |
| Shift Warning       |        | 100-19,900rpm      | 100 rpm    |           |
| Maximum Tachometer  |        | 100-19,900rpm      | 100 rpm    |           |
| Temperature Meter   |        | +40°C-150°C        | 1°C        | +/- 1°C   |
| Maximum Temperature |        | +40°C-150°C        | 1°C        | +/- 1°C   |
| Riding Time         |        | 0.00'00"-99:59'59" | 1 Second   | +/- 50PPM |
| Total Time          |        | 9999H59'           | 1 Minute   | +/- 50PPM |

|                                     |                             |
|-------------------------------------|-----------------------------|
| Power Input                         | DC 12V                      |
| Temperature Sensor                  | Thermo Sensor               |
| Tachometer Input                    | CDI or Ignition Coil signal |
| Operation Temperature               | -10° C ~ +80° C             |
| Storage Temperature (Inner housing) | -25° C ~ +85° C             |
| Dimensions                          | φ64mm / H 40mm              |

## FUNCTIONS DESCRIPTIONS

1. Bar Gaphic Tachometer : Each bar indicates 500RPM, the maximum RPM up to 17,500 RPM.
2. Raditor or Engine oil Temperature: +40°C~+150°C.
3. RT (Engine Running Timer): It counts engine running time from last Reset operation, press RESET button for 2 seconds to reset the data.
4. TT(Engine Total Running Timer): Calculates total operation time from the beginning of the Engine. The data is stored in memory, even when power is removed.
5. MAX RPM & Temperature: Displays highest RPM & Temperature from last reset operation. Press RESET button for 2 seconds to reset the data.
6. Shift Warning Setup: Press MODE button to RPM screen, pull up the throttle until the desired shift warning RPM and press RESET button to confirm the setup. RPM warning LED is flashing when over RPM.

## BUTTON OPERATIONS

### MODE BUTTON

1. Press the MODE button to move all functions in loop sequence from one function screen to another when the RPM sensor does not detect any signal input.
2. LCD screen will automatically revert to Temperature Meter and Tachometer screen during operation movement, if no button usage for 10 seconds



### RESET BUTTON

1. Press MODE button to the desired screen then press RESET button for 2 seconds to reset Maximum Temperature and RPM and RT data from stored values to zero.
2. TT data cannot be reset.



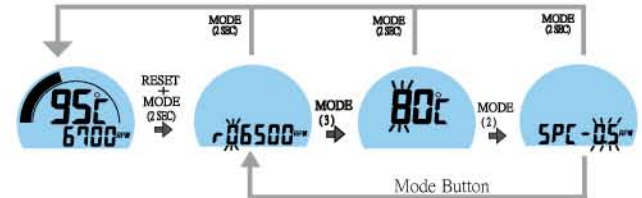
### SHIFT WARNING RPM OPERATION

1. Press MODE button to the RPM screen; pull on the throttle until the desired shift warning RPM displayed.
2. Press RESET button to confirm and set up the shift warning RPM.
3. Bar-graphic tachometer will flash to warning you shift gear.



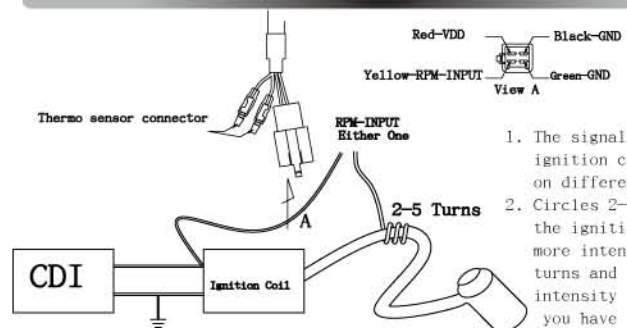
## RPM, Temperature & Numbers of Engine Rotation SET UP

1. Setup operations include shift warning RPM, Temperature warning and numbers of engine rotation per signal. You have to set up step by step. The computer will automatic reversion to main screen if no button operation for 20 seconds at any setting screen.



2. Press both MODE & RESET buttons to go into setting screen. The setup logic is press RESET to add the flashing digit by one, press MODE button to confirm the setting and go to next digit or next screen to be set; press MODE button for 2 seconds at any setting screen to return to main screen.
3. It displays "rXXX00 RPM". Press RESET button to increase flashing digit by one; press MODE button to confirm digit setting and jump to next digit.
4. Press MODE button to warning temperature setting screen after completed shift warning RPM setting.
5. It displays "XX°C" symbol.
6. Press RESET button to increase flashing digit by one; press MODE button to confirm digit setting and jump to next digit. Press MODE button to go to the numbers of engine rotation per signal setting screen after set warning temperature.
7. It displays "SPC-X.X RPM", the default value is 1.0; there are 4 options: 1.0, 2.0, 3.0 and 0.5. It means the numbers of engine rotation per signal. For example the value 2.0 means the engine rotate 2 turns to output a signal.
8. Press RESET button to move in loop sequence from one to another value of the 4 values. Press MODE button to confirm the setting digit.
9. Press MODE button for 2 seconds to complete the setting process and go into the main screen.

## SETUP OPERATIONS



1. The signal intensity from ignition coil is dependent on different bikes.
2. Circles 2-5 turns around the ignition coil, the more intensity the less turns and the less signal intensity the more turns you have to circle.