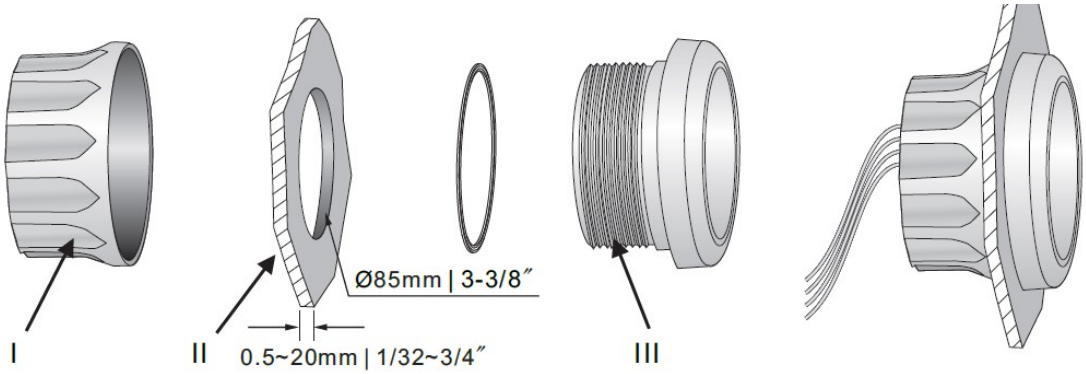
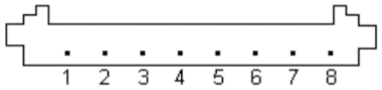




1.GND 2.ING+(9~36V DC) 3. RPM Signal or W-Terminal
4.Voltage Output(8V+) 5. Yellow Backlight (+) 6. Red Backlight(+)
7.External Button (+) 8. Ignition coil RPM signal

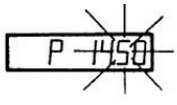
1. Cut an 85mm (3 3/8") hole in the panel (II) allow a clearance of . behind the panel.
2. Remove fastening ring (I), insert gauge from front. Tighten gauge (III) using fastening ring (I)
3. Connect cables according to the diagram.

Function Select: "PULSE" , "HOUR", "BUZZ"

Press and hold on the back button or **external button**, then turn on the power supply.
The LCD will show PULSE, HOUR, BUZZ, etc.
You can select the function to be set after release button.

1. "PULSE" (change RPM Ratio)

After selecting "PULSE", unit is 0.01 pulses/round. For example, if LCD shows 100, it means 1 pulse per round



You can select "PULSE" again to confirm the setting is done.

How to confirm RPM Ratio?

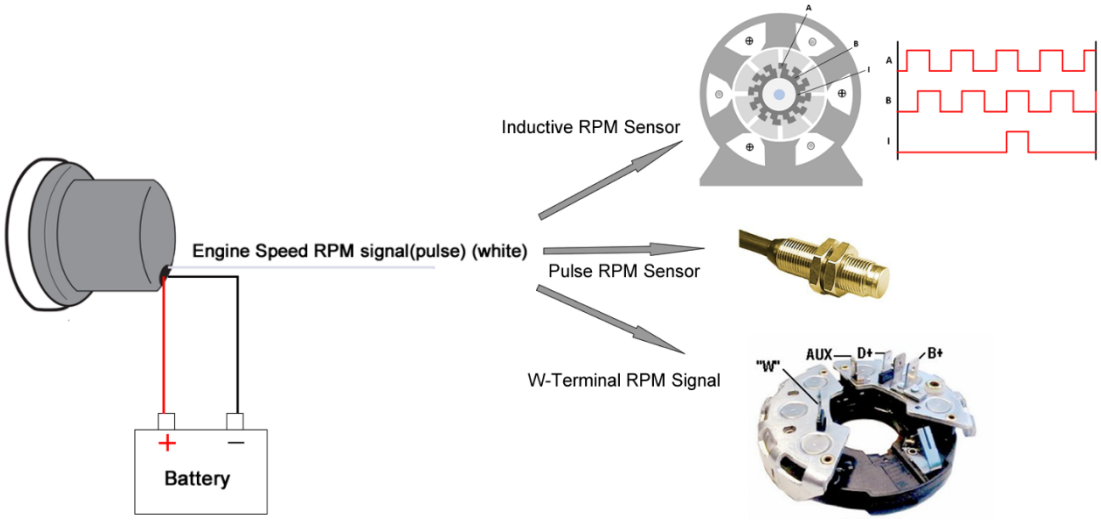
a. If your sensor is installed on the flying wheel panel, the RPM ratio is equal to the number of gears of the engine.

b. If the speed signal takes from **W-Terminal**, the RPM ratio is equal to the half of the number of poles.

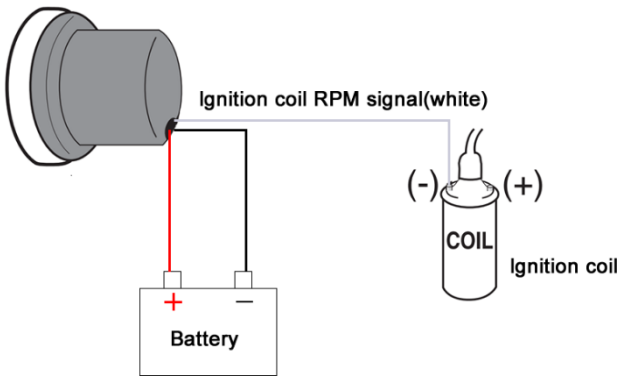
Normal RPM Ratio for Reference:

OutBoard Engine		InterBoard or Gasoline Engine			Diesel Engine
Electric Poles	**RPM Ratio**	Cylinder	Stroke	**RPM Ratio**	**RPM Ratio=Gear Number**
4	**2**	4	4	**2**	
6	**3**	6	4	**3**	
8	**4**	8	4	**4**	
10	**5**	10	4	**5**	
12	**6**	12	4	**6**	

1) Wiring guide to get RPM Tach signal from RPM tach Sensor (3rd pin)



2) Wiring guide to get RPM Tach signal from ignition coil directly (8th pin)



2. "HOUR" (change total hour meter)

After selecting "HOUR", the LCD will show for example "5000" (5000 HOUR) , press the button to change the flashing digit from 0 to 999999 to set the target value.

3. “BUZZ” (change overspeed buzzer alarm threshold value)

After selecting “BUZZ”, the LCD will show for example “B 3000” (buzzer will be on when speed over 3000RPM), press the button to change the flashing digit from 0 to 8000 to set target overs RPM buzzer alarm threshold value.

Please noted: After setting, you should disconnect both Power+ and GND, and then reconnect the two cable, then it will save the setting. If you just cut Power +, then it’ll not work properly.