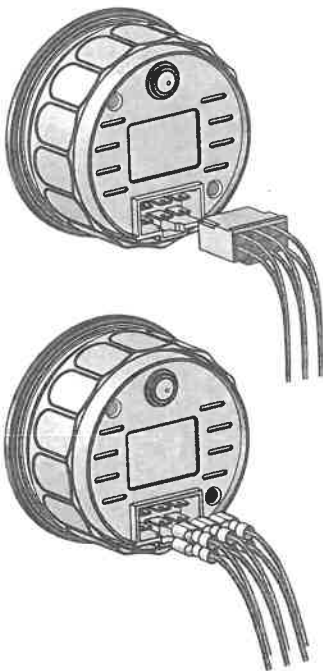
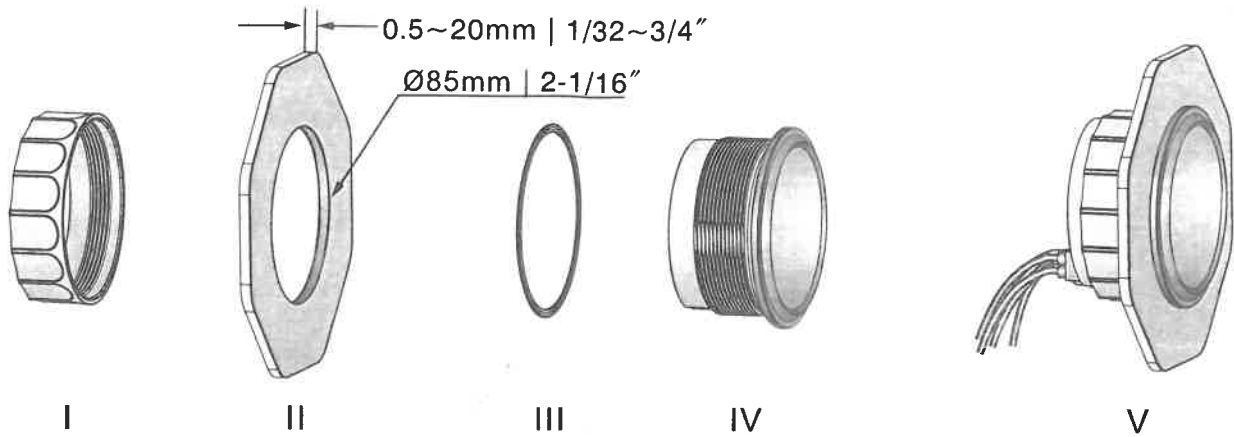
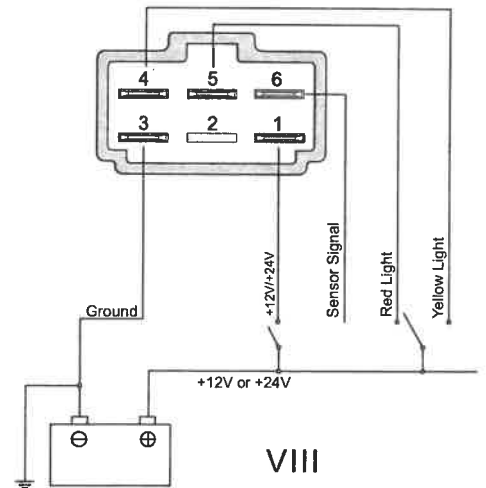


INSTALLATION INSTRUCTIONS



Connection:

- 1: +12/24VDC
- 2: No Connection
- 3: GND
- 4: Yellow Light (To +12V or +24V)
- 5: Red Light (To +12 or +24V)
- 6: Sensor Signal Input



INSTALLATION STEPS

1. Cut a $\Phi 85$ mm (3 3/8") hole (II) on the panel, and ensure there is enough space behind the panel to fit the gauge and wire harness.
2. Mount the sealing ring ((# III) on the gauge ((# IV), and put the gauge ((# IV) in the hole on the panel ((# II), fasten it with a fixing ring.
3. Connect the wires according to the wire connection diagram ((# VIII)). If power supply is 12V, please connect power cord to terminal 2; If there is no terminal 2, it means terminal 1 can directly connect with 10-32V. Attention: Wrong connection may get the gauge damaged.
4. If you prefer red backlight, connect terminal 5 to +12V/ +24V power supply, terminal 4 disconnected; Conversely, you can get yellow backlight;
5. Dimension of the terminal: 6.3x0.8mm. Matched female terminal shall be chosen, see VII.
If the connection needs to be with connector as VI shows, you can get the terminal from retailer.
6. After correct connection, power on and adjust to the appropriate speed ratio according to revolving speed of the measured device.
7. Speed ratio adjustment:
 - a. Press the rubber button on gauge back for 3s, it enters the setting mode; Release the button for 3s, it exits the setting mode.
 - b. Press the button without stop, the values keep increasing; Release and press it again, the values keep decreasing. The longer you press the button, the faster it counts. The minimum counting step value is 0.1, adjustment range: 1.0 ~ 10.0.
 - c. Release the button after you get the speed ratio you want, and the result you set will be saved automatically after 3s. You can reset the speed ratio value as you want.
 - d. Speed ratio indicates the number of impulses engine outputs per rotation. If the impulse is 4 per rotation of your engine, the value needs to be adjust to 4.0, see picture below:

Outboard		Inboard & Gas engine		
poles	speed ratio	cylinder	cycle	speed ratio
4	2	4	4	2
6	3	6	4	3
8	4	8	4	4
10	5	10	4	5
12	6			

Speed ratio setting :



General settings of marine engine:

If your engine is not in line with the specification in the table, the speed ratio needs to be set according to the number of impulse output per rotation.