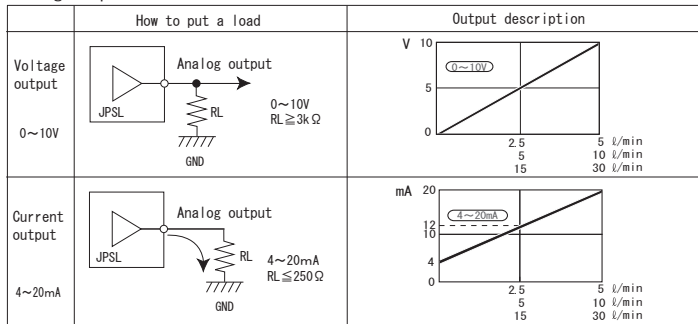


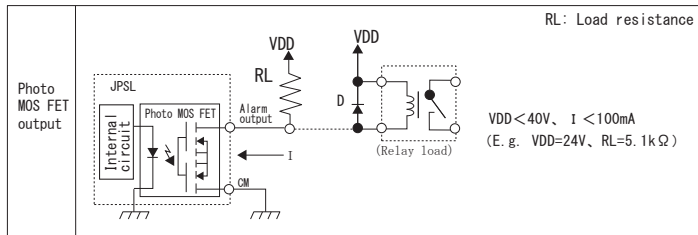
Output signal

1. Analog output



2. Alarm output

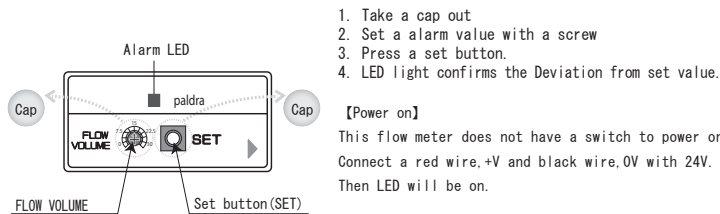
The diagram below shows how to put a load. There is no polar character within the range in rating voltage or current.



Caution Use relay with internal diode or external diode(D) to prevent damaging Photo MOS-FET from back electromotive force as above when you use relay load.
E.g. V03C(HITACHI)

Procedures

The diagram below shows a control panel on the top of the body



Alarm settings

*table 1 explains definition of alarm output and LED. While ordering select only one output

Remove the caps and you will see the volume and set button.

*you can set a alarm only when you chose a alarm output..

- Power on (DC 24V) then LED (red or green) will be on.
- Rotate the arrow with a plastic screw, for example, and set a alarm value.
- Press SET to confirm the settings. Micro computer inside of the flow meter memories' it. To change the value, rotate the arrow and press SET again.

*Do not need to reset the value after powered off.

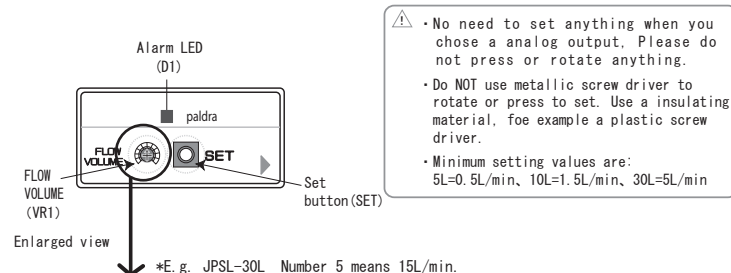
- Alarm is signaled with LED (D1).

<table 1>

Description of alarm output and LED lights

Alarm Measuring value	A	B
More than set value	GRN ON ON	RED ON OFF
Less than set value	RED ON OFF	GRN ON ON

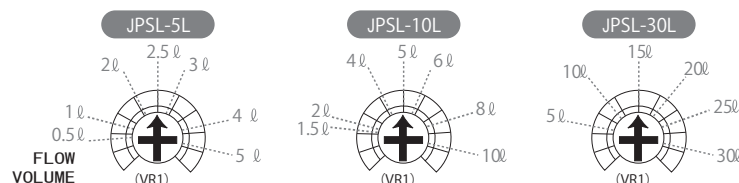
*A internal circuit of alarm output is MOS-FET. ON: conduction and OFF: No conduction



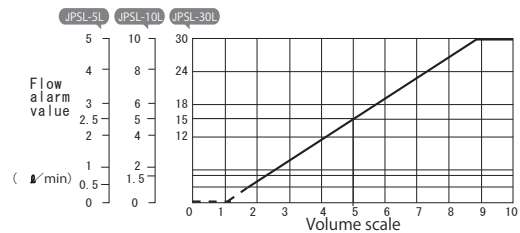
- No need to set anything when you chose a analog output. Please do not press or rotate anything.
- Do NOT use metallic screw driver to rotate or press to set. Use a insulating material, for example a plastic screw driver.
- Minimum setting values are: 5L=0.5L/min, 10L=1.5L/min, 30L=5L/min

【Indication of divisions】

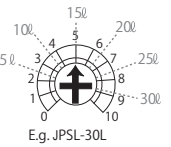
Point the arrow towards the setting value



【Flow rate set value diagram】

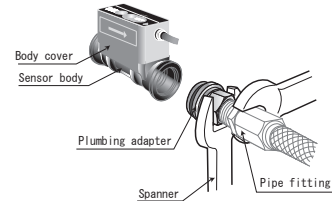


Note: There is only the numbers from 0 to 10 on the volume. Please set the value referring to this diagram.



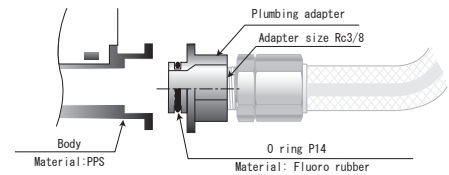
Connections

- At the time of shipment adapters and quick fastener has enclosed separately.
- Adapter is Rc3/8 female. Keep the adapter hold and screw the fitting.

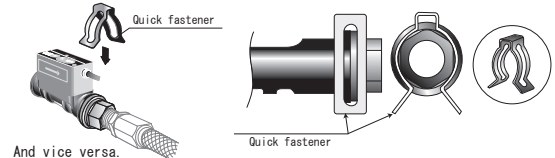


When you install our product between the hard plumbing, use hose or flexible tube to keep the center core straight.

- Insert an adapter into a body. There is 0 ring, P14, around the adapter. Please pay attention to attach properly with no any particle in between



- Put quick fastener on the adapter until the adapters are locked between the gap of the fastener. Make sure it is tightly locked.



- A straight pipe length needs min. 7D on upper stream and 5D on down stream to keep the accuracy.
- Please do not do the plumbing (Put and orifice) sudden changes in the size of piping upstream.
- Install valves, bifurcations, gages etc. on down stream.
- D=adapter size, 5L: 4.1mm, 10L: 5.8mm, 30L: 10mm
- Please beware of the direct load/pressure on the flow meter (PPS). It could cause leaking or damages.
- Do NOT grab or press the cover very hard when you are connecting(plumbing)

Storage

●Please store our products under environments as follows.

- Where it is NOT exposed to rain or water.
- Where it is NOT exposed to direct sunshine.
- Where it is NOT exposed to dust.
- Where it is NO vibration or impact.
- Where it is static-free.
- Where ambient environment is controlled between 0-50 degree Celsius without dewing and freezing.

*Please store our products as you received.

Warranty and disclaimer

●We are not responsible regarding the accident that occurred from the incorrect use of our products or possible lack of information in this document.

- Warranty period of our product is one year from the received date of the product(s).
- If the claimed defect of specifications or materials in the period of the warranty are verified with a document, we will replace free of the product(s). This warranty covers only our products. This warranty does not cover direct or/and indirect damages like lost, damages or injurers etc. caused by defected products.
- We supply a replacement on request. And an inspection of the equipment does not disclose any defect causing by us, the replacement will be charged.

*The replacement is the same product as we sold but we would supply a different product for certain reasons.

- It refers the case which we do not have any responsibility.
- In use out of non-compliance regarding this instruction manual.
- Negligence in use.
- Disassembling or conversion of our products.

About instructions manual

- It is not allowed to reprint or reproduce a part or full instruction manual without any prior permission by us.
- All the contents of instruction manual are correct at the date of publication and are subjected to change without notice. Please save the latest issue of our products.
- The contents of the outline and specification of the flow sensor in this operating manual has followed as per the standards. Care must be carried out properly while using sensor with a proper lay-out and consideration against external condition.
- Please contact us if you acknowledge any mistakes or unlisted information in this instruction manual.

*The design, dimensions and specifications of the product in the catalog were correct at the date of publication and are subjected to change without notice.