



Flowmeters with Photosensor (for Alarm Switches)

MODEL RK1812/RK1814 SERIES

These are enhanced models of the KOFLOC High Precision Flowmeters RK1200 and RK1400, respectively, by attaching photoswitch sensors for detection of float position and issuance of alarm signals.

Features

Red LEDs are used to visualize projected light spots. Stable and running modes of flows can be checked by pilot lamps.

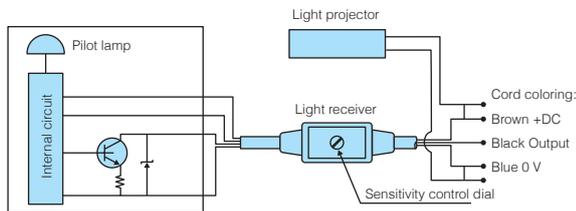
Standard Specifications

Rated flow ranges	See the specifications for the RK1200/RK1400. Measurement of flows below 50 ML/MIN is not available (air at atmospheric pressure condition).
Setting range	10-90%
Ambient temperature	5-55°C

* For other conditions, see the specifications for the RK1200/RK1400.

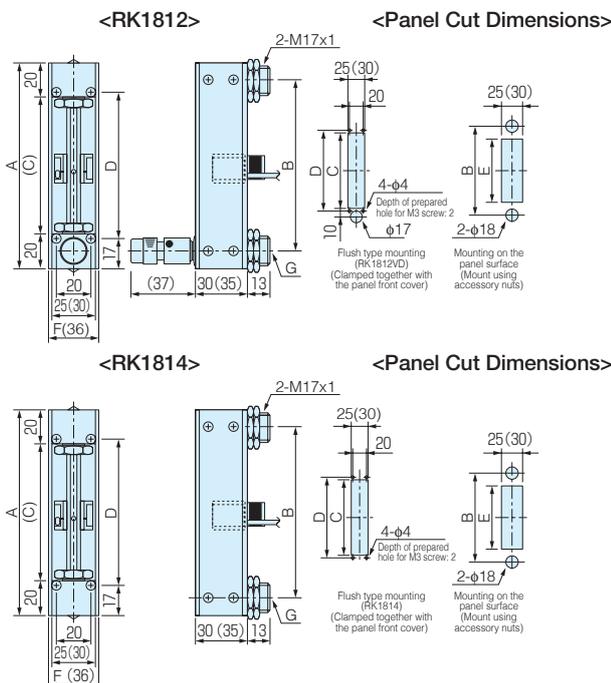
Photosensor Specifications

Operating power supply	24 VDC±10%
Power consumption	Light projector: 15 mA or less; Light receiver: 22 mA or less
Output mode	NPN open collector, sink current: 80 mA (30 VDC) max.
Running mode	Light on
Response time	0.5 msec or less
Cord	Light projector: 0.15 mm ² two-core cable (2 m); Light receiver: 0.15 mm ² three-core cable (2 m)
Manufacturer	Takenaka electronic industrial co., Ltd.
Type	UM-T15TV (24 VDC) photoelectric switch containing amplifier with repeater dial on the receiver side

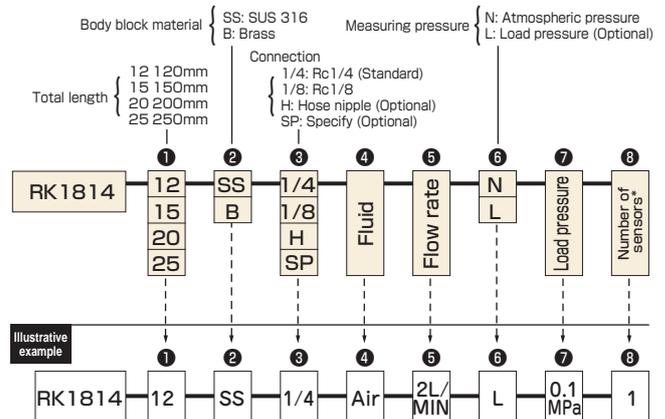
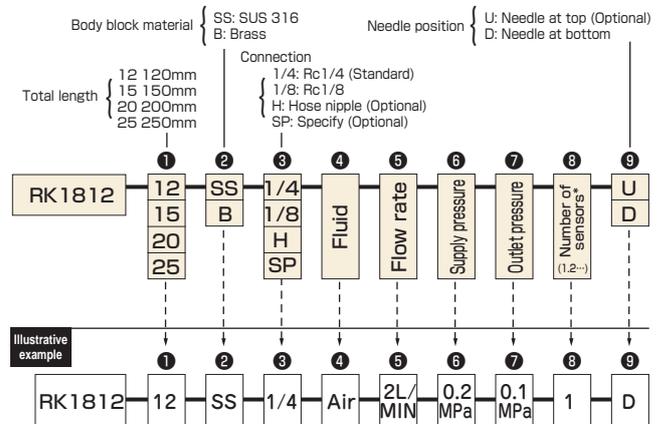


Note: When adjusting the photosensor, first loosen the sensor thumbscrew. The translucent projector is not shown because it is for power input (brown: 24 VDC; blue: 0 V) only. See the photosensor instruction manual enclosed in the package before use.

Dimensions



Ordering



* If you need two or more sensors, please consult us before placing a purchase order.

* Refer to "Ordering" and "Illustrative example" when placing an order or requesting a quotation. Fill in the blanks in the "Order/Quotation Request Card" at the end of the catalog, and send the card by fax.