Electronic pressure switch ESW

Pressure Switch Body (Left)
Remote Setting Device (Right)

Model Code

ESW	-	*	-	**	-	10	-	(L3)
1		2		3		4		5

① ESW Series Pressure Switch
② Connection Thread
R: R1/4, G2: G1/4A, G3: G3/8A
③ Rating pressure
1: 1MPa, 10: 10MPa, 20: 20MPa, 35: 35MPa, 50: 50MPa
④ Design Number
⑤ Harness Length
Omit: Without Harness, L3: With 3m Harness

NEW ESW series	
Model	Harness Length
ESW-R-1-10-L3	3m
ESW-R-10-10-L3	
ESW-R-35-10-L3	
ESW-R-50-10-L3	
ESW-G2-35-10-L3	
ESW-*-*-10(-L*)	Please Ask
ESW-*-*-10(-L*)-S*	

Specifications

- The detection pressure / output method can be set by the setting device without contact (infrared communication)
- Detection pressure may be set by simply connecting the power. and without mounting the switch to the actual hydraulic circuit (no actual pressure required)
- Common setting is possible for multiple sensors by digital setting.
- High environmental resistance (IP67).
- Piping and wiring may be done separately by connecting harness through M12 connector.
- Dead band is adjustable to preferred setting with normally two circuits
- Wide range of power supply voltage (DC9 to 36V)

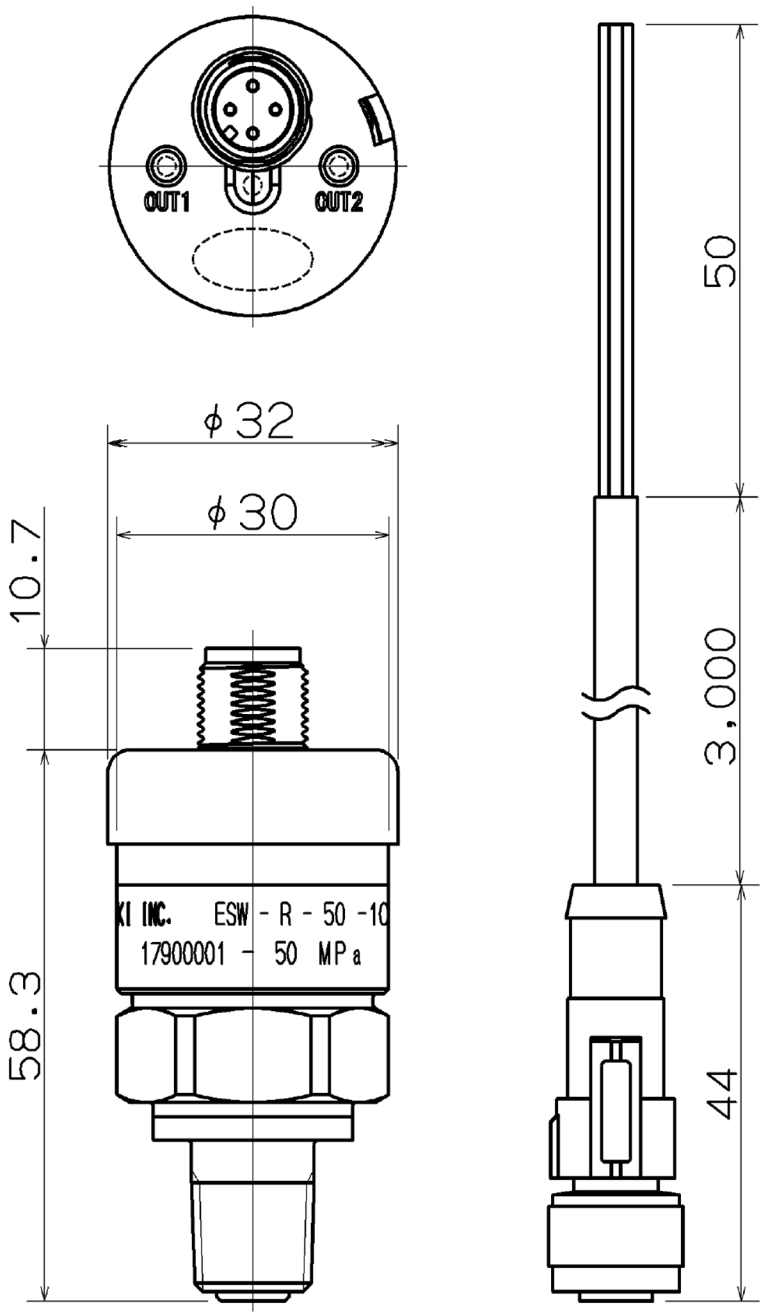
［Remark］ Rating output only 1MPa, Environmental resistant performance is IP65

【ESW Setting Device】

- ESW series itself does not have pressure setting unit nor a display unit. The setting device (sold separately) performs the pressure setting operation.
- One setting device is applicable to multiple ESW units (setting must be operated one by one).
- Digital display on the setting device allows easy confirmation of setting values of detection pressure or status of the switch.

Item	ESW
Power Voltage	DC9～36[V]
Output Rating	NPN:DC30[V]/PNP: Power Supply Voltage, Max250[mA]
Dead Band	Variable
Environmental Resistance	IP67 (more than 10[MPa]) IP65 (less than 1[MPa])
Operating Temp	-20～+70[℃]
Vibration Resistance	JIS C 60068-2-6 : 300[m/s^2], 10～2000[Hz]
Shock Resistance	JIS C 60068-2-27 : 1,000[m/s^2], 6[ms] X,Y,Z Forward and Backward, 3 times each

Dimensions


OUT1
OUT2
ϕ32
ϕ30
10.7
58.3
KI INC. ESW - R - 50 -10
17900001 - 50 MPa
50
3,000
44