


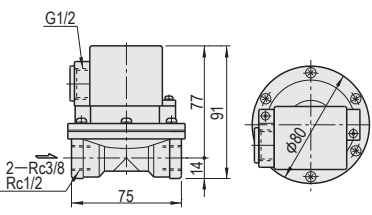
# MONITORING · IMPROVEMENT DEVICE / ALARM OUTPUT BOX

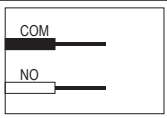
Application Detects whether or not a medium is flowing through the mold water pipe. Errors can be output when the flow rate is lower than the set value.

**Flow Switch**



**SSWF  
SSWFL**





Refer to **P.22** for information on the Alarm Output Box (SBDC4)

NO (normally open)

When flow rate is lower than set flow rate → Output

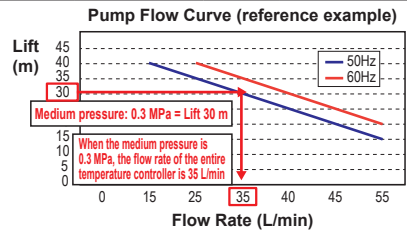
When flow rate is higher than set flow rate → No output

⚠ Connected for NO at shipment.  
⚠ Can be changed to NC with the SBDC4 changeover switch.

Pipe diameter	Detectable flow rate range	Operating fluid	Usable temp.	Ambient temp.	Operating pressure	Lead wire		Mounting orientation	Part Number		Unit Price
						No. of core	Length		Type	1~6 pcs	
10A	3/8	Water	5~60°C	5~60°C	0.03~0.5 MPa	2	3 m	Horizontal	SSWF	10A	<b>Quotation</b>
15A	1/2								SSWF	15A	
10A	3/8								SSWFL	10A	
15A	1/2								SSWFL	15A	

- ⚠ Be sure to check the dimensions when mounting to equipment.
- ⚠ The withstand pressure is 1.0 MPa, but use within the operating pressure.
- ⚠ Set the medium temperature within the usable temperature.
- ⚠ Contact us if selecting the flow rate range is difficult.
- ⚠ Manufacturer: NIHON SEIKI Model: BN-13 Series is used.

- Flow Rate Range Selection Method** ⚠ This selection method is a guideline and does not guarantee accurate flow rate values.
- Check the temperature controller manufacturer model and power supply frequency
  - Check the medium pressure of the actual machine during operation
  - Refer to the pump performance curve diagram of the manufacturer model and check the flow rate with Lift (m) ÷ 10 = Medium pressure
  - Flow rate ÷ Number of branch pipe systems ÷ Assumed flow rate of one system
- Calculation Example**  
Figure at right shows reference example at 50 Hz  
10A (3/8) × 4 directions Medium pressure during operation: 0.3 MPa  
35 L/min from pump flow rate curve diagram  
35 (L/min) ÷ 4 directions = One system 8.75 (L/min)



 Order
 

Part Number  
**SSWFL-10A**

 Days to Ship
 


**Quotation**

**P** Price

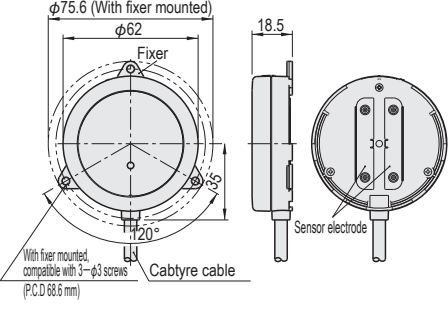
**Quotation**

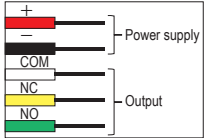
Application Detects water leakage from temperature controllers and utility piping. Errors can be output when the sensor comes into contact with water.

**Water Leakage Detection Sensor**



**SSWR**





Refer to **P.22** for information on the Alarm Output Box (SBDC4)


No voltage Type C connector  
To switch ON when water leakage is detected, connect COM and NO.

⚠ SBDC4 (P.22) can be used easily to construct warning lamps, alarm buzzers and external output. SBDC4 is also equipped with an anti-chattering timer.

Detectable liquid	Operating power supply voltage range	Power consumption	Sensitivity adjustment	Operating ambient temp.	Lead wire		Part Number		Unit Price
					No. of core	Length	Type	1~6 pcs	
Water	DC10~30V	0.48W	None	-15~50°C	5	0.5 m	SSWR	<b>Quotation</b>	

- ⚠ A buzzer is not mounted on the sensor (single item).
- ⚠ Install at a place where it will come into contact with water leakage such as temperature controller, chiller, etc.
- ⚠ Manufacturer: TAKENAKA ENGINEERING Model: EXL-SH12 is used.
- ⚠ The sensor and extension cable are connected with a connector.


Part Number	Code	Spec.	1Code
SSWR	<b>EK1</b>	Extends the lead wire by 1 m.	<b>Quotation</b>
	<b>EK3</b>	Extends the lead wire by 3 m.	
	<b>EK5</b>	Extends the lead wire by 5 m.	
	<b>EK10</b>	Extends the lead wire by 10 m.	
	<b>EK15</b>	Extends the lead wire by 15 m.	
	<b>EK20</b>	Extends the lead wire by 20 m.	

 Order
 

Part Number  
**SSWR**

Lead wire extension  
**EK10**

**Quotation**

 Days to Ship
 

**Quotation**

**P** Price

**Quotation**