



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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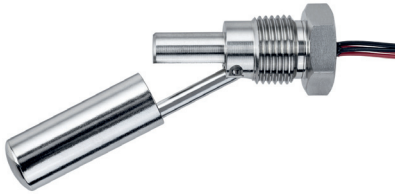
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# TSSF212 Series

## 1/2"NPT External Mount with Temperature Sensing



- Compact design with temperature sensing
- 1/2"NPT thread for external mount
- 25VA & 100VA versions
- Float material SS 316, stem material SS 304
- N/O or N/C switching action
- Temperature measurement from -20°C to +120°C

The TSSF212 series is a compact external fitting device, via 1/2"NPT thread, with a high specification thermistor so capable of sensing both liquid level and temperature.

The device does not require access to the inside of the tank.

Application of the product is typically used in the pharmaceutical industry, food and beverage and dairies industry, as well as biofuel industry.

They are manufactured in stainless steel, to suit most commonly used liquids.

The switch action may be reversed by rotating the device through 180°.

### Technical Specification

Mounting Style	External
Mounting Thread	1/2"NPT
Float & Stem Material	SS 316 & SS 304
Maximum Temperature	-20°C to 120°C
Maximum Pressure	10 bar
Float SG	0.7
Minimum Fluid SG	0.8

### Electrical Specification

	25W (Y Code)	100W (H Code)
Contact Form	N/O (N/C)	N/O (N/C)
Switching Power Max	25 VA	100
Switching Voltage AC Max	240 V	300
Switching Voltage DC Max	120 V	300
Switching Current Max	0.6 A	1

### Thermistor Specification

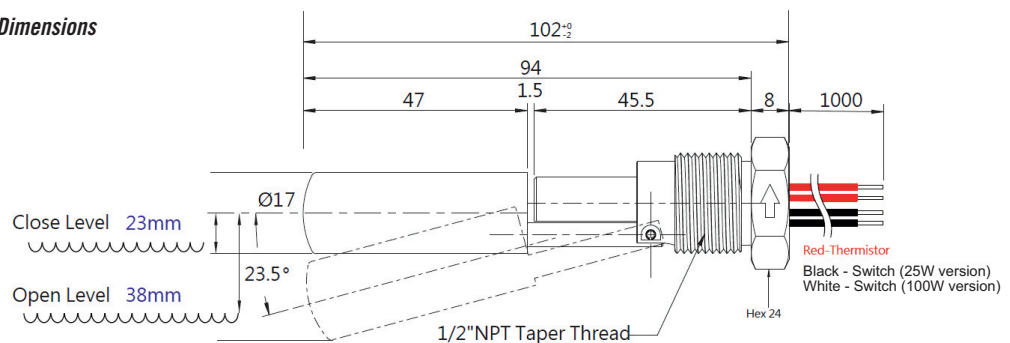
Nominal Temperature Resistance	10k Ohm at 25°C
Resistance Tolerance	+/- 1% (25°C) to +/- 4.3% (120°C)
Operating Temperature Range	-20°C to +120°C
Temperature Sensing Accuracy	+/- 0.2°C (0°C to +70°C)
Beta Value	3892K (0/50°C)
Response Time	<1 sec
Dissipation Constant	0.75mW/K

### Standard Parts

Standard Parts	Temperature	Max Power	Leadouts	Output
TSSF212H100	-20°C to + 120°C	100VA	100cm XLPE AWG 22	SPNO + Temp
TSSF212Y100	-20°C to + 120°C	25VA	100cm XLPE AWG 22	SPNO + Temp

Custom versions can be made for particular applications. Please contact Cynergy3 with your requirements.

### Mechanical Dimensions



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ISO9001 CERTIFIED

TSSF212 2015

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