

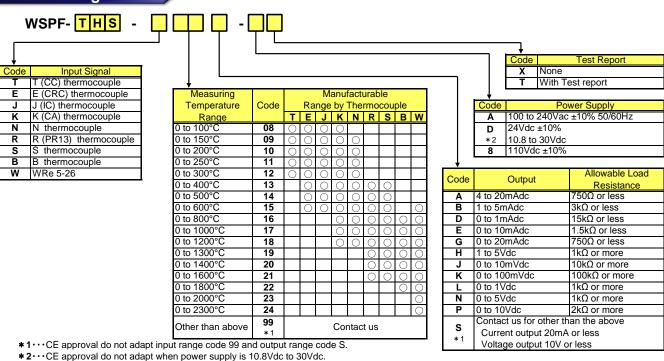
This compact plug-in converter accepts Thermocouples signal input conforming to JIS standard and provides optically isolated DC voltage or current output.

This converter has a linearizer, a cold junction compensation circuit, and a burnout protection circuit as standard equipment which is required to measure temperature.

#### **Features**

- ★ Fine Zero & span adjustment by 15 turn trimmer
- ★ Zero & span adjustment ±10% full scale
- ★ Safe design by dielectric strength of 3000Vac
- ★ 5 years warranty, long life
- ★ CE approved
- ★ Linearizer, Cold junction compensation circuit, and Burnout protection circuit built-in

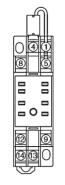
# **Ordering code**



### **Specifications**

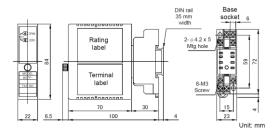
Accuracy	±0.2% FS (at 23±10°C)		
Response time	Approx. 25ms ( 0 to 90%)		
Allowable load	Current output		
	15V or less of voltage drop		
	Voltage output		
	Load current 5mA or less		
	*1µA or less if the output is less than 1V FS		
Zero & span adjustment	±10% FS (15 turn trimmer)		
Operating temperature	-5 to +55°C		
Operating relative humidity	90% or less (Non-condensing)		
Temperature coefficient	±0.015% of span per °C		
Cold junction compensation	±0.5°C or less at 23±10°C (±1°C or less for R, WR and S)		
Accuracy	,		
Cold junction compensation	10 to 40°C		
Temperature	*R, S, WR thermocouple: ±1°C		
Linearization	Available (30% FS or less of R and W is out of range)		
Burnout protection	Upscale / downscale *Please specify when you order for downscale		
Isolation	Between input, output, and power supply		
Insulation resistance	100MΩ or more with 500Vdc megger		
	Between input, output, and power supply terminal		
Dielectric strength	3000Vac for 1 min between power supply and input/output terminal,		
	2000Vac for 1 min between input and output terminal		
Power consumption	Approx. 4.4VA (AC), Approx. 63mA (DC)		
Power supply variation	±0.1% FS (within the range of rated voltage)		
Dimensions	84(H) X 23(W) X 106.5(D)mm		
Weight	Approx. 130g		
Structure	Plug-in (Body part and socket part)		
Connection	M3 SEMS screw part of the base socket (Tightening torque 0.6N·m)		
Mounting	DIN rail or wall surface		
Case color and material	Ivory, ABS resin, flame retardant grade UL94V-0		
EMC directive	EN61326-1, EN61010-1, EN50581		
	Installation category : II, Pollution degree : 2		
Rated altitude	2000m or less		

### **Terminal connections**



No	Symbol		Description
1	INPUT	+	Input
4	INFOI	-	•
5 CJC		Cold junction	
3	5 636		compensation
8	NC		No connection
9	OUTPUT-1	+	Output
12		-	Output
13	POWER	U(+)	Power Supply
14		V(-)	117

## **Demensions**



\* Specification is subject to change without notice