

DR 212 Din Rail Mounted Temperature Transmitters

Features

- Input can be various thermal resistors or thermocouple signal.
- Vibration-proof, moisture-proof, suitable for operation in bad environment condition.
- Can be mounted on the rail in control cabinet, generate 4~20mA output signal directly.
- High accuracy, low power consumption, working performance is stable and reliable.
- Application is wide, not only realize integrated field installation structure, also can be mounted as functional module in testing equipment
- DIN Rail mount



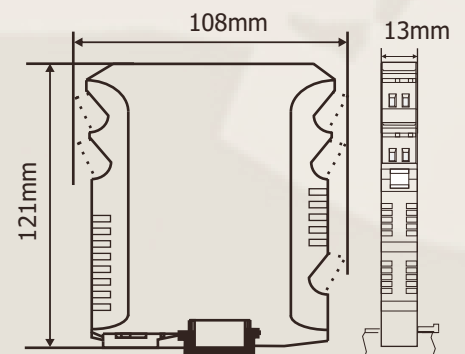
Specifications

temperature measurement element	thermal resistor: Pt100 Pt1000 Cu50 or others thermocouple: K, E, J or others
measured medium's temperature	-50℃~+1800℃
output signal	4~20mA or others
output load	MAX.(Vpower-7.5V) /0.022A current output
accuracy	0.1%FS(special requested), 0.2%FS, 0.5%FS(standard)
ambient temperature range	-20℃~+80℃
relative humidity	5~90%RH(no condensator)
temperature limit	120% of measured range
power supply	DC12~24V DC
Installation size	13*108*121.2mm(width * height*depth)
load resistance	>500Ω(24V supply)
circuit temperature shift	≤±0.1%FS/0.2℃
power consumption	one input one output ≤1W; two inputs two outputs ≤1.4w
housing material	thermostable and anti-flaming material
mount type	DIN Rail Mount, Rail Size 35mm ; weight approx :0.85g

Accuracy (see table below)

Sensor type	Standard	Input ranges		Minimum span		Accuracy (value whichever is greater)
		℃	℉	℃	℉	
<T/C>						
B	IEC584	400 to 1820	752 to 3308	200	360	±0.1% of span or ±1.0℃
E		-100 to 1000	-148 to 1832	50	90	±0.1% of span or ±0.5℃
J		-100 to 1200	-148 to 2192	50	90	
K		-180 to 1372	-292 to 2502	50	90	
N		-180 to 1300	-292 to 2372	100	180	
R		-50 to 1760	-58 to 3200	200	360	±0.1% of span or ±1.0℃
S		-50 to 1760	-58 to 3200	200	360	
T		-200 to 400	-328 to 752	50	90	±0.1% of span or ±0.5℃
L	DIN43710	-100 to 900	-148 to 1652	50	90	
U		-200 to 600	-328 to 1112	75	135	
W3	ASTM	0 to 2300	32 to 4172	200	360	±0.1% of span or ±1.0℃
W5		0 to 2300	32 to 4172	200	360	
<RTD>						
Pt100	IEC751	-200 to 850	-328 to 1562	10	18	±0.1% of span or ±0.1℃
Ni100	DIN43760	-60 to 250	-76 to 482	10	18	±0.1% of span or ±0.2℃
DC Voltage		-800 to 800 [mV]		2.5 [mV]		±0.1% of span or ±0.01mV
Resistance		0 to 7000 [Ω]		25 [Ω]		±0.1% of span or ±0.1Ω

Dimension



Diagram

