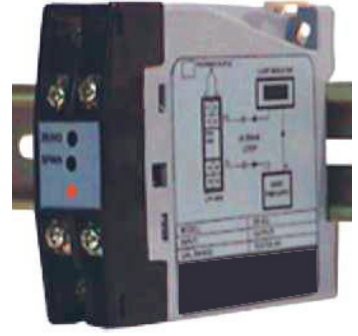## DIN Rail Universal Temperature Transmitter (HART)

⚙ Special Features:

Programmable Universal Input (RTD / Ω / Thermocouples / mV / V)
Linear Signal Output
Current Loop Powered
PC Based Configuration via USB Cable
High Accuracy and Repeatability

⚙ Applications:

Food & beverage, pharmaceutical, chemical & petrochemical industries, conventional & nuclear plants, pumps, presses, turbines, hydro-cleaning machines, diesel engines & refrigerating plants.

⚙ Specifications:

Input	RTD:	Pt-50, Pt100 (2W / 3W / 4W), Pt-500, Pt-1000
	Thermocouples:	Type B, E, J, K, N, R, S, T
	Ω	0 ~ 500 Ω, 0 ~ 4500 Ω
	mV	-120 ~ 120 mV, -1000 ~ 1000 mV
Output	4 - 20 mA, two wire HART superimposed	
Accuracy	±0.1% of the calibrated span	
Storage Temp.	-40°C to 120°C	
Operating Temp.	-40°C to 85°C	
Calibration	Configuration with PC via USB Cable	
Isolation	Input / Output Isolation Tested to 500 VAC rms (707 VDC) at 50 / 60 Hz	
Loop Supply	24V DC nominal (12 to 36)V DC	
Loop Resistance	600 Ω @ 24V DC	
Burn Out	Upscale for RTD PT-100 / Thermocouples	
Protection	IP68	
Update Rate	0.5 sec	
Turn On Time	5 sec after power is applied	
Minimum Span	10 °C / 18 °F	

⚙ Wiring Drawing:

2-wire RTD and Ω	3-wire* RTD and Ω	4-wire RTD and Ω	T/C
1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4