

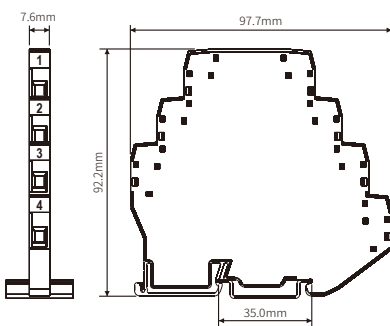
RTD / TC Input (Loop Powered)

Features

- 1-channel signal conditioner
- 24V DC loop powered
- Line fault detection(LFD)
- Configurable by software
- Ultra-slim housing width 7.6mm

	CZ2077 RTD Input	CZ2177 TC Input	CZ2277 RTD/TC Input
Input			
Signal type	Pt100, Cu100, Cu50	T、E、J、K、N、R、S、B (Customized mV signal)	Pt100, Cu100, Cu50 T、E、J、K、N、R、S、B
Internal CJC Temperature Range		-20°C~+60°C	-20°C~+60°C
CJC Precision		±1°C	±1°C
Output			
Output Current	4~20mA	4~20mA	4~20mA
Load Resistance	$R_L \leq (U_e - 9)/0.021\Omega$	$R_L \leq (U_e - 9)/0.021\Omega$	$R_L \leq (U_e - 9)/0.021\Omega$
Fault Current of Overrange/Underrange	$I_H \approx 20.8\text{mA}/I_L \approx 3.8\text{mA}$	$I_H \approx 20.8\text{mA}/I_L \approx 3.8\text{mA}$	$I_H \approx 20.8\text{mA}/I_L \approx 3.8\text{mA}$
Fault Current of Line Break	$I \approx 20.8\text{mA}$	$I \approx 20.8\text{mA}$	$I \approx 20.8\text{mA}$
General Parameters			
Loop Supply Voltage(U_e)	9~30V DC	9~30V DC	9~30V DC
Power Reverse Protection	Support	Support	Support
Power Dissipation	≤0.5W	≤0.5W	≤0.5W
Conversion Accuracy	0.2%	0.2%	0.2%
Temperature Drift	0.01%F.S./°C	0.01%F.S./°C	0.01%F.S./°C
Response Time (0~90%)	≤1s	≤1s	≤1s
Dielectric Strength	1500V AC;1min	1500V AC;1min	1500V AC;1min
Insulation Resistance	≥100MΩ; 500V DC	≥100MΩ; 500V DC	≥100MΩ; 500V DC
EMC Standards	GB/T 18268(IEC 61326-1)	GB/T 18268(IEC 61326-1)	GB/T 18268(IEC 61326-1)
Ambient Temperature	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C
Suitable Field Apparatus	2-or 3-wire RTD sensor	TC sensor, mV signal	RTD, TC sensor

Dimensions



Connection

