

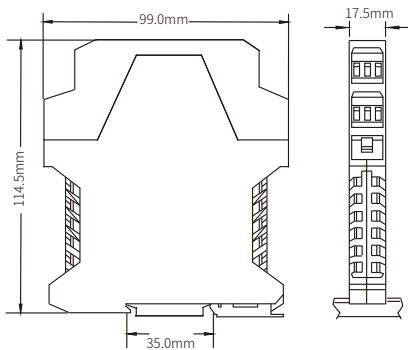
Features

- 24V DC loop power supply
- Line fault detection(LFD)
- Configurable by software
- Integral CJC on TC input terminals

	1/1: CZ3077 2/2: CZ3078	1/1: CZ3177 2/2: CZ3178	1/1: CZ3277 2/2: CZ3278
Input			
Input Signal	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~+60°C	-20~+60°C
CJC Precision		±1°C	±1°C
Output			
Output Current	4~20mA	4~20mA	4~20mA
Load Resistance	$R_L \leq (U_e - 12)/0.021\Omega$	$R_L \leq (U_e - 12)/0.021\Omega$	$R_L \leq (U_e - 12)/0.021\Omega$
Fault Current of Overrange/Underrange	$I_L \approx 20.8mA / I_L \approx 3.8mA$	$I_L \approx 20.8mA / I_L \approx 3.8mA$	$I_L \approx 20.8mA / I_L \approx 3.8mA$
Fault Current of Line Break	$I \approx 20.8mA$	$I \approx 20.8mA$	$I \approx 20.8mA$
General Parameters			
Loop Supply Voltage(U_e)	12~30V DC	12~30V DC	12~30V DC
Power Reverse Protection	Support	Support	Support
Conversion Accuracy	See P13 Table 2	See P13 Table 2	See P13 Table 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	TC sensor, mV signal	RTD, TC sensor

Note: Fault current of line break <4mA or other special requirements, need to be customized.

Dimensions



- Note:
- CZ3277/CZ3278 is universal temperature converter. Use standard terminal for RTD input.
 - Use CJC terminal for thermocouple input.9(CZ3079) should be shorted.



Connection

