

# RTD Input

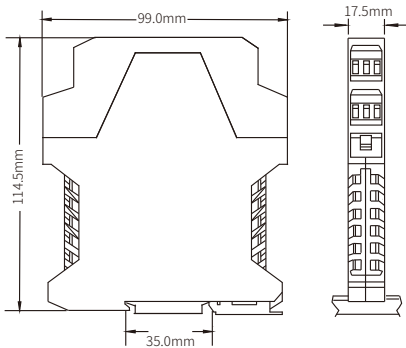
## Features

- 24V DC independent power supply
- Line fault detection(LFD)
- Configurable by software
- Power via DIN bus or terminal

	CZ3571 1/1	CZ3576 1/2	CZ3579 2/2
<b>Input</b>			
Input Signal	PT100, Cu100, Cu50	PT100, Cu100, Cu50	PT100, Cu100, Cu50
<b>Output</b>			
Output Current/Load Resistance	0~20mA, 4~20mA / $R_L \leq 300\Omega$	0~20mA, 4~20mA / $R_L \leq 300\Omega$	0~20mA, 4~20mA / $R_L \leq 300\Omega$
Output Voltage/Load Resistance	0~5V, 1~5V / $R_L \geq 20k\Omega$	0~5V, 1~5V / $R_L \geq 20k\Omega$	0~5V, 1~5V / $R_L \geq 20k\Omega$
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	$I \approx 20.8mA$	$I \approx 20.8mA$	$I \approx 20.8mA$
<b>General Parameters</b>			
Supply Voltage	20~35V DC	20~35V DC	20~35V DC
Power Reverse Protection	Support	Support	Support
Current Consumption(Supply voltage:24V)	$\leq 35mA$	$\leq 55mA$	$\leq 55mA$
Conversion Accuracy	See P32 Table 3	See P32 Table 3	See P32 Table 3
Temperature Drift	0.01%F.S./ $^{\circ}C$	0.01%F.S./ $^{\circ}C$	0.01%F.S./ $^{\circ}C$
Response Time (0~90%)	$\leq 1s$	$\leq 1s$	$\leq 1s$
Dielectric Strength	1500V DC;1min	1500V DC;1min	1500V DC;1min
Insulation Resistance	$\geq 100M\Omega$ ; 500V DC	$\geq 100M\Omega$ ; 500V DC	$\geq 150M\Omega$ ; 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 $^{\circ}C$ ~+60 $^{\circ}C$	-20 $^{\circ}C$ ~+60 $^{\circ}C$	-20 $^{\circ}C$ ~+60 $^{\circ}C$
Suitable Field Apparatus	2-or 3-wire RTD	2-or 3-wire RTD	2-or 3-wire RTD

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

## Dimensions

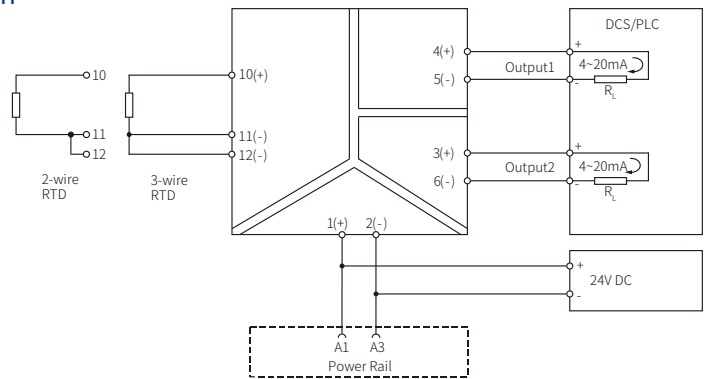


Note:

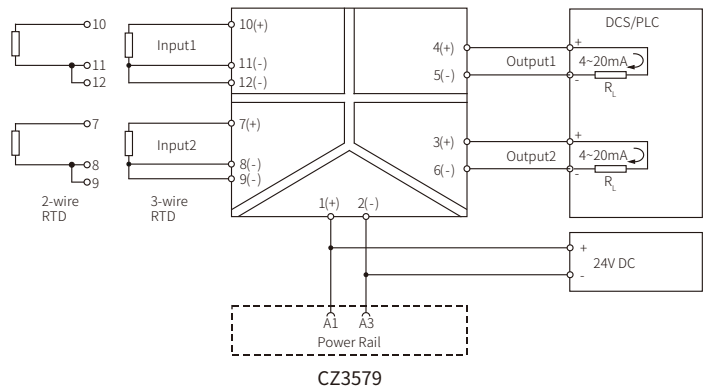
- For 3-wire Input, keep the resistance of the three wires as equal as possible.
- For 2-wire Input, terminal 11, 12(CZ3571/C3576), terminal 11, 12 and 8, 9(CZ3579) should be shorted.



## Connection



CZ3576(CZ3571 Output part only contains output 1)



CZ3579