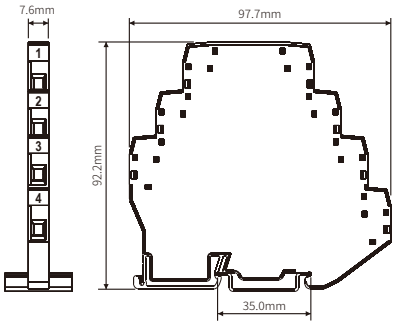
Analog Input /Analog Output (Loop Powered)

Features

1-channel signal conditioner
24V DC loop powered
Suitable for analog input and analog output
Support HART communication
Ultra-slim housing width 7.6mm

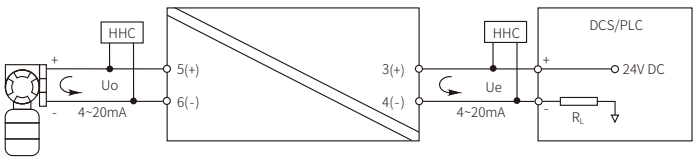
	CZ2031 Application 1: Analog Input	CZ2031 Application 2: Analog Output
Input		
Input Current	4~20mA(HART)	4~20mA(HART)
Distribution Voltage	$U_o \geqslant U_e - R_L \times 0.02$-6	
Loop Current	⩽25mA	⩽25mA
Output		
Output Current	4~20mA(HART)	4~20mA(HART)
Load Resistance	$R_L \geqslant 250\Omega$(HART)	$R_L \leqslant (U_i - 6)/ 0.02$
Loop Current	⩽25mA	⩽25mA
General Parameters		
Loop Supply Voltage(U_e)	20~30V DC	20~30V DC
Power Reverse Protection	Support	Support
Transmission Accuracy	0.4%F.S.	0.3%F.S.
Temperature Drift	0.03%F.S./°C	0.03%F.S./°C
Response Time (0~90%)	⩽0.5 ms	⩽0.5 ms
Dielectric Strength	1500V AC;1min	1500V AC;1min
Insulation Resistance	⩾100MΩ; 500V DC	⩾100MΩ; 500V DC
EMC Standards	GB/T 18268(IEC 61326-1)	GB/T 18268(IEC 61326-1)
Ambient Temperature	-20°C~+60°C	-20°C~+60°C
Suitable Field Apparatus	2-wire transmitter	2-wire Valve positioner， Electrical converter

Dimensions



Connection

Application 1: Analog input



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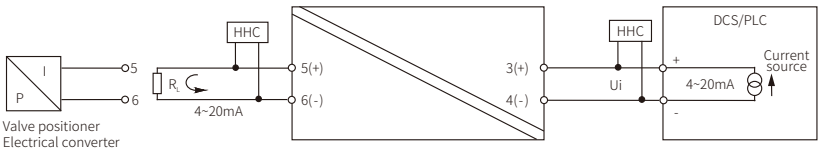
Application 2: Analog output



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Note: HHC (HART Hand Held Communicator) cannot be used simultaneously on the input side and output side