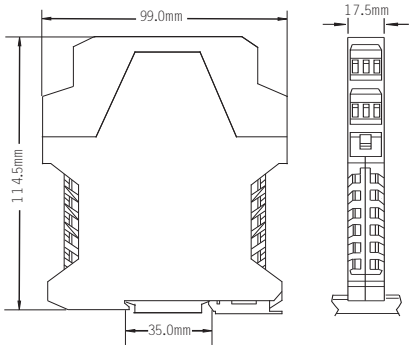
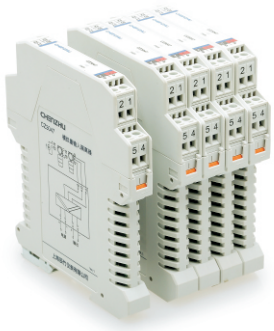
Specification

Suitable for AI/AO No need addtional power supply Lower consumption	1/1：CZ3031 2/2：CZ3032 Application 1：AI	1/1：CZ3031 2/2：CZ3032 Application 2：AO
Input		
Input current	4～20mA(HART)	4~20mA(HART)
Drop voltage	$U_d \leqslant 6V$	
Distribution voltage	$U_o \geqslant U_e - R_L \times 0.02 - 6$	
Output		
Output current	4～20mA(HART)	4~20mA(HART)
Load resistance	$R_L \geqslant 250\Omega$(HART)	$R_l \leqslant (U_r - 6)/0.02$
General parameters		
Supply voltage(Ue)	20~30V DC	20~30V DC
Power protection	Reverse protection	Reverse protection
Consumption	0.1W	0.1W
Accuracy(20℃,4~20mA)	0.4%F.S.	0.2%F.S.
Temperature drift(−20℃~+60℃)	0.01%F.S./℃	0.01%F.S./℃
Response time	Reach 90% of final value in 0.5ms	Reach 90% of final value in 0.5ms
Dielectric strength (Between input and output)	1500V AC;1min	1500V AC;1min
Insulation resistance (Among input, output and shell)	⩾100MΩ	⩾100MΩ
EMC	GB/T 18268(IEC 61326-1)	GB/T 18268(IEC 61326-1)
Ambient temperature	-20℃～+60℃	-20℃～+60℃
Suitable field apparatus	2−wire intelligent transmitter(HART), 2−wire transmitte	2−wire valve position,electric convert

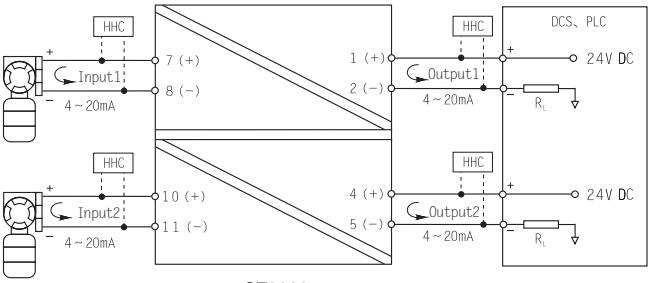
Dimensions





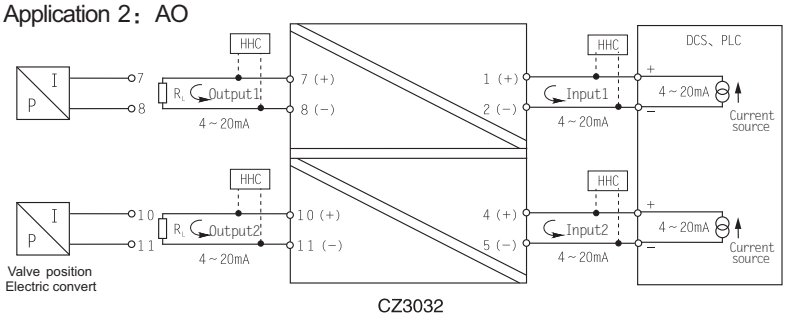
Appilcation

Application 1：AI



CZ3032

Application 2：AO



CZ3032

Note: 1、Cat't use HHC (HART operator) input and output at the same time
2、CZ3031 only contains CH1