Product characteristics:
Can be compatible with second-line, third-line input;
The transmission accuracy is higher than 0.1 %;
Design of low temperature floating precision voltage source;
Data conversion accuracy 20 AD accuracy;
One drag and two can have different output types;

	Dk3030 One in and out	Dk3031 One in and two out	Dk3032 Two in and two out
Input			Same input type
Input Signal	4～20mA，0～10mA，0～20mA	4～20mA，0～10mA，0～20mA	4～20mA，0～10mA，0～20mA
Ad accuracy	20 bits	20 bits	20 bits
Input impedance	<60Ω	<60Ω	<60Ω
Feed voltage / current	24V/25MA	24V/25MA	24V/25MA
Output		Can be of different output types	Can be of different output types
Output signal	0-5V，1-5V，0-10V，2-10V 0-10MA，0-20MA，4-20MA	0-5V，1-5V，0-10V，2-10V 0-10MA，0-20MA，4-20MA	0-5V，1-5V，0-10V，2-10V 0-10MA，0-20MA，4-20MA
Output voltage / load resistance	0-5V，1-5V/R_L>120KΩ	0-5V，1-5V/R_L>120KΩ	0-5V，1-5V/R_L>120KΩ
Output current / load resistance	0-20MA，4-20MA/R_L≤650Ω	0-20MA，4-20MA/R_L≤650Ω	0-20MA，4-20MA/R_L≤650Ω
DA accuracy	16 bits	16 bits	16 bits
Basic parameters			
Supply voltage	DC:24V(±10%)	DC:24V(±10%)	DC:24V(±10%)
Power protection	Reverse and ESD Protection	Reverse and ESD Protection	Reverse and ESD Protection
Power waste(24V power, 20mA output)	<2W	<2.7W	<2.7W
Measurement accuracy（20℃）	0.1%FS	0.1%FS	0.1%FS
Temperature drift（0℃~50℃）	50PPM/℃	50PPM/℃	50PPM/℃
Insulation strength (between input, output and power)	2000V AC 1MIN	2000V AC 1MIN	2000V AC 1MIN
Electromagnetic compatibility	IEC61326-1	IEC61326-1	IEC61326-1
Ambient temperature	-20℃~50℃	-20℃~50℃	-20℃~50℃
Suitable for field equipment	Two-wire and three-wire transmitters	Two-wire and three-wire transmitters	Two-wire and three-wire transmitters

Dk3030 Series Isolated Transmitter



Alarm(Channel indicator flashes when open-circuit alarm occurs, once a second)	
L lights flicker	Ch1 open circuit
H lights flicker	Ch2 open circuit
Input Open Circuit Function (Optional input open-circuit alarm and output status function)	
0	Output is 0 (default factory status)
1	Output upper limit(Order statement)
2	Output lower limit(Order statement)
3	Output holds the value before opening(Order statement)

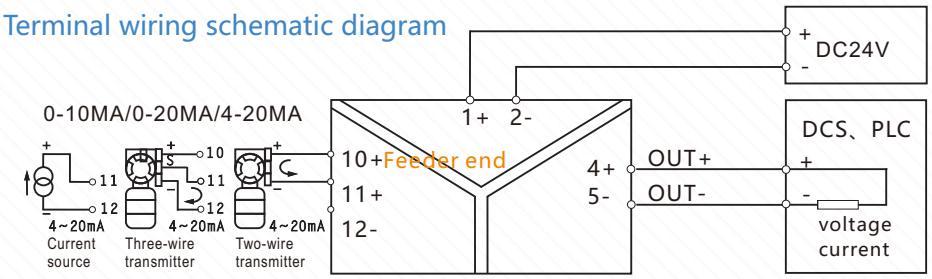
Open circuit description

The upper and lower bounds of input open-circuit time-varying output are corresponding:

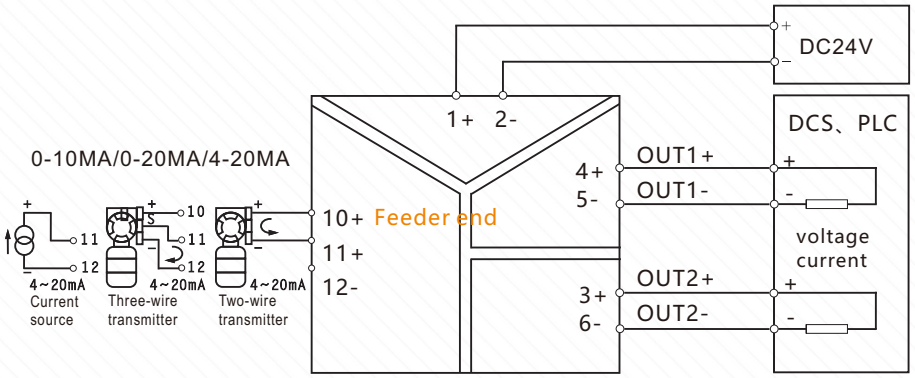
output signal	Output low time	Output cap time
0-5V	0V	5V
0-10V	0V	10V
0-20MA	0mA	20mA
0-10MA	0mA	10mA
1-5V	1V	5V
2-10V	2V	10V
4-20MA	3.8mA	21mA

Examples of selection:
For example, two 0-10mA inputs, one 0-10mA output, one 4-20MA output, and the upper limit of output when input is open, the selection code is:
DK3032-IN:0MA10-OUT1:0MA10-OUT2:4MA20-AM:1

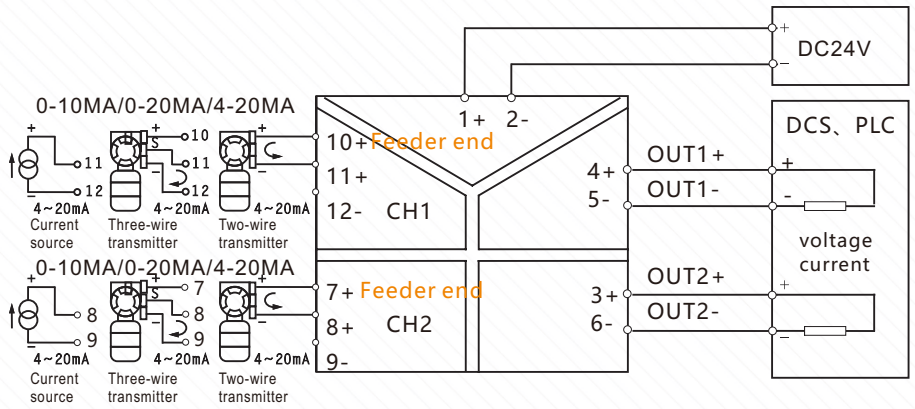
Terminal wiring schematic diagram



DK3030 One in and out



DK3031 one in and two out



DK3032 Two in and two out

Outline Dimension Diagram

