Voltage Transducer/Sensor

A1 2-way DC Voltage Transducer

FEATURES

Transforms the measured DC voltage into the 2-way standard DC voltage or DC current output according to linear proportion;
Low power consumption, high reliability;
Excellent anti-interference ability and high accuracy (0.2%);
Current terminal input, standard din rail(35mm) mounting;
It was widely applied to close bus and control bus voltage detection in electric operation power supply system;
Small size, dimension(mm): 95(L)×37(W)×32(H)

ELECTRICAL DATA

Standards.....IEC688:1992, QB/LF2007-1
Input Range.0~500V can choose 0~110V, 0~275V etc
Accuracy Grade.....≤0.2%F.S.
Temperature Characteristics.....≤50PPM/℃(0~50℃)
Power Consumption.....≤0.3VA
Working Stability.....annual change<0.2%
Isolation Withstand Voltage.....AC2.0KV/min*1mA among input/output/case
Isolation Resistance.....≥20MΩ(DC500V)
Impulse Voltage.....5KV(peak value), 1.2/50uS
Response Time.....≤30mS
Overload Capacity.....2 times voltage continuous
Working Environment.....-10℃~50℃, 20%~90% without condensation
Storage Environment.....-40℃~70℃, 20%~95% without condensation

MODEL

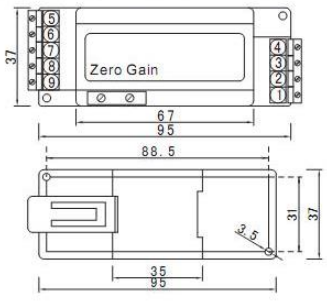
LF-DV22-□□A1-0.2/□
A B C

Model selection1: LF-DV22-32A1-0.2/0~275V
Explanation: this product is a 0~275V input range, 0~5V output, 12V power supply, A1 style 2-way DC voltage transducer.

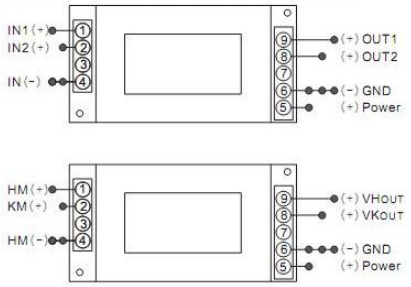
MODEL REMARKS

A. Output:
3: 0~5V
T: Special output
C. Power supply:
2:12V±10%
D. Voltage input range

DIMENSION DIAGRAM



CONNECTION DIAGRAM



(1)General connection;
(2)Electric operation power supply connection

NOTE

1. Notice the auxiliary power supply information on the label, make sure power supply's degree and polarity are correct before power on.
2. When the transducer used in a strong magnetic environment, the shelter of the input wire, output signal should be as short as possible.
3. This product use the flame retardant ABS plastic case(its utmost temperature is +85℃), please don't bake the case in high temperature, or it will be distorted, influence product's performance.