

Transmitter Potentiometer-2Ch Output



Inputs

Range : 0-10%, 0-25%, 0-50%, 0-90%, 10-90%, 5-95%, 0-100%
others by request.
: 200 ohm – 50 K ohm
: Exciting source 2.5V dc 12.5mA.

Input impedance : >100 MOhm with 500V dc
Burden : max 0.15 VA
Typical overload : 1.5 x rated continuous
: 2 x rated for 10 seconds
: 4 x rated for 2 seconds

Output

Capacity : 2 channel
Type : Analog
Voltage DC : 1-5V, 0-10V others by request.
Current DC : 0-1mA, 4-20mA others by request.
Response time : <250msec. (0-90%)
Drive Capability : <10mA for voltage
: <10 V for current

Accuracy : $\pm 0.25\%FS \pm 1\text{Digits}$.
Zero range : $\pm 5.0\%FS$
Span range : $\pm 10\%FS$
Temp. coefficient : 100ppm/°C (0-50°C)

Power supply : AC/DC 90-260V
: AC/DC 18 - 60V
: AC 110V or 220V 50/60Hz.

Consumption: : 3VA
Isolation : Input/Output/Power/Case

Environmental conditions

Operating temperature : -10 ° C to +60 ° C
Storage temperature : -30 ° C to +75 ° C
Relative humidity : 95% max. non-condensation
Enclosure : IEC 529 (IP52)
Temp. Coefficient : 100 ppm/°C (0-50° C)

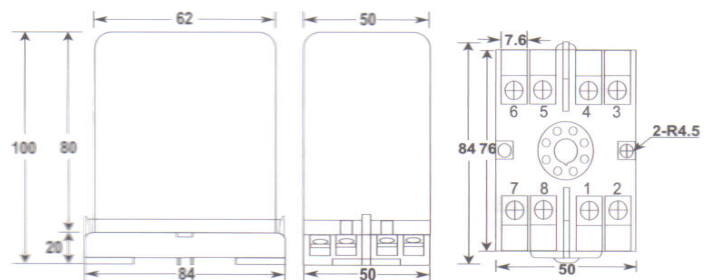
Insulation Test Voltage

Input _Output / Housing : AC 4 kV ANSI c37.90a, DIN-IEC255-4
Output _Housing : 500 V

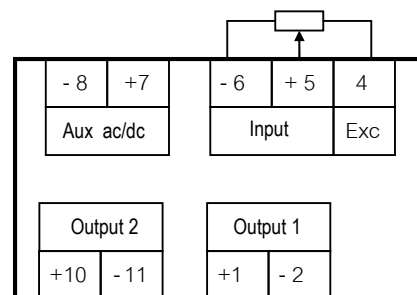
Mechanical characteristics

Material plastic : NORYL UL94 V-0 self extinguishing
Protection degree EN60529 : IP54 (front panel); IP20 (terminals)
Terminals : Screw type 2.5mm.
Front dimension : 84 x 100 x 50 mm.
Mounting : Din Rail
Weight : 450 g.

Dimensional Drawing.



Wiring Connection



ORDERING INFORMATION DTK+X1+X2+X3+X4

Example Ordering

Input 0-100% Output 2x4-20ma Aux ac/dc 90-260V

Ordering code DTK + 7 + I + I + B

X1	Input Range	X1	Input Range	X2	Output - Ch1	X3	Output – Ch2	X4	Aux. Supply
1	0-10%	6	5-95%	C	1-5V	C	1-5V	A	AC/DC18-60V
2	0-25%	7	0-100%	D	0-10V	D	0-10V	B	AC/DC90-260V
3	0-50%	9	By request	F	0-1mA	F	0-1mA	Less than 4VA	
4	0-90%	* Exciting DC2.5V 12.5mA	I	4-20mA	I	4-20mA			
5	10-90%		R	By request	R	By request			