AC CURRENT / AC VOLTAGE TRANSDUCER
MODEL - TDA (C)-B-C-F / TSV (C)-C-C-F



TDA (C)-B-C-F



TSV (C)-C-C-F

INTRODUCTION:

MODEL - TDA (C)-B-C-F

TDA (C) is a current transducer that converts the input current parameters in to a linear DC analog signal after isolation. The DC signal is a standard signal that be read or processed. Common output signals are 4-20 mA; 0-10 V DC.

MODEL - TSV (C)-C-C-F

TDV (C) is a voltage transducer that converts the input voltage parameters in to a linear DC analog signal after isolation. The DC signal is a standard signal that can be read or processed. Common output signals are 4-20mAdc; 0-10V DC.

APPLICATION:

1) Equipment protection, Load monitoring
2) Defect faults, Protect equipment
2) Industrial automation, Instrumentation
3) Power system, Process control

FEATURES:

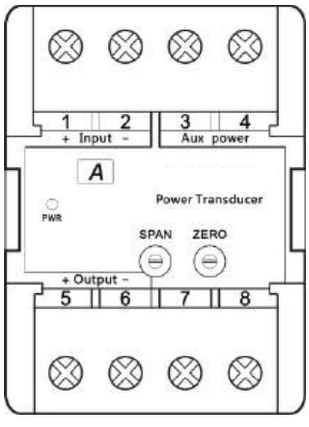
1) Accuracy and Stability
2) Large range measurement capability
3) Fast response and Dynamic performance
4) Flexibility and Adjustability

Technical Parameter	Current Transducer (TDA (C))	Voltage Transducer (TSV (C))
AC Input	0.1A, 1A, 5A, or 1 / 5A.	57.7 V, 100V, 300V, 450V, 600V, etc.
Input Load	Current Transformer CT : ≤ 0.2VA	Voltage Transformer PT : ≤ 0.1VA
Allow Overload	Current X 2 times the nominal value continuos; Current X 10 times the nominal value 10s	Voltage X 1.2 times the nominal value continues
Accuracy	0.2%	0.5%
Response Time	≤ 400ms	≤ 400ms
The Out Voltage	0 ~ 10V DC, 0 ~ 5V DC,	0 ~ 10V DC, 0 ~ 5V DC,
Output Current	0 ~ 20 mA DC, 4 ~ 20 mA DC	0 ~ 20 mA DC, 4 ~ 20 mA DC
Output Ripple	≤ 0.5% RO peak-to-peak value	≤ 0.5% RO peak
Working Environment	0 ~ 50°C / less than 80% relative humidity (non-condensing state)	0 ~ 50°C / ≤ 80% relative humidity (no condensation)
Storage Environment	-20 ~ 70°C / less than 70% relative humidity (non-condensing state)	-20 ~ 70°C / ≤ 70% relative humidity (no condensation)
Aux. Power	AC / DC 80V ~ 270V Can be customised (DC 12V, 24V, 48V)	AC / DC 80V ~ 270V can be customized (DC12V, 24V, 48V)
Isolation	Input/output/power supply/shell	Input / Output Power / Enclosure
Power Consumption	DC about 3W, AC about 4VA	DC about 3W, AC about 4VA
Shell Material	ABS fireproof material	ABS fireproof material
Weight	Approx. 300g	Approx. 300g
Insulating H. V. Breakdown Strength	AC 2kV rms for 1 minute	AC 2kV rms for 1 minute
Insulation Resistance	≥ 100MΩ, DC500V	≥ 100MΩ, DC500V
Dimensions	120 (L) X 55 (W) X 75 (H) mm	120(L) X 55 (W) X 75 (H) mm
Installation Method	35 mm standard rail / fixed on the cabinet	35 mm standard rail / fixed on the cabinet

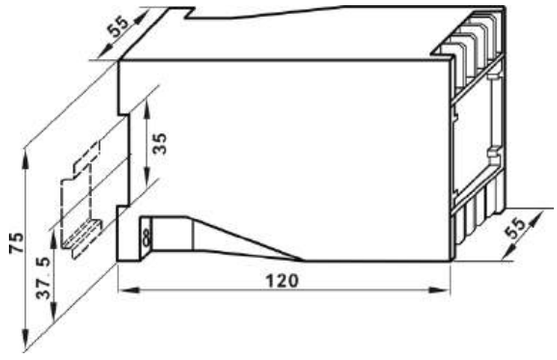
Model -TDA(C)		Current Transducer Acc. 0.2%			
Input Current		Output Signal		Aux. Power	
A	AC 0 ~ 1A	A	DC 0 ~ 10mA	A	AC 110/220V
B	AC 0 ~ 5A	B	DC 0 ~ 20mA	C	DC 22 ~ 72V
C	AC 0 ~ 10A	C	DC 4 ~ 20mA	F	AC/DC 80 ~ 270V
D	AC 0 ~ 1/5A (Dual Input)	D	DC 0 ~ 5V	N	Self-Power Mode
		E	DC 1~ 5V		
		F	DC 0 ~ 10V		

Model -TSV(C)		Voltage Transducer Acc. 0.5%			
Input Voltage		Output Signal		Aux. Power	
A	AC 0 ~ 150V	A	DC 0 ~ 10mA	A	AC 110/220V
B	AC 0 ~ 300V	B	DC 0 ~ 20mA	C	DC 22 ~ 72V
C	AC 0 ~ 600V	C	DC 4 ~ 20mA	F	AC/DC 80 ~ 270V
		D	DC 0 ~ 5V	N	Self-Power Mode
		E	DC 1~ 5V		
		F	DC 0 ~ 10V		

Panel Display

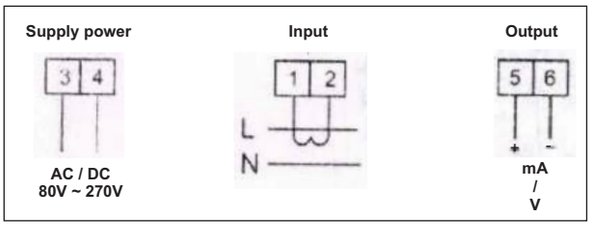


Dimensions



Connection Diagram

Current Transducer



Voltage Transducer

