

AC 1 PHASE TRANSDUCER(1 ϕ)

DTS

FEATURES

- Applicable for DIN-IEC 688
- Dual aux. power AC/DC 85~265V
- Rating current AC 5A, range: AC 0~7.5A
- Rating current AC 1A, range: AC 0~1.5A
- Rating voltage AC 110V, range: AC 55~150V
- Rating voltage AC 220V, range: AC 160~300V
- Insulation AC 2KV / Min, input/output/power/case
- ABS housing, suit for Din rail mount; easily installation



ORDERING INFORMATION: **DTS** [Code1] - [Code2] - [Code3] - [Code4] **R.M.S**

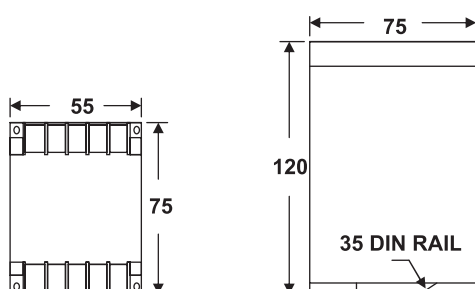
DTS [Code1] **R** - [Code2] - [Code3] - [Code4] **T.R.M.S**

Code 1	Input Signal	Code 2	Current	Code 2	Voltage	Code 3	Analog Output	Code 4	Aux. Power
A	Current	A	AC 0~1A	A	AC 0~150V	A	DC 0~10mA	A	AC 110/220V
V	Voltage	B	AC 0~5A	B	AC 0~300V	B	DC 0~20mA	B	AC 220V
O	Option	C	AC 0~10A	C	AC 0~600V	C	DC 4~20mA	C	DC 22~72V
		O	Option	O	Option	D	DC 0~5V	F	AC/DC 85~265V
						E	DC 1~5V	N	Self-Powered
						F	DC 0~10V	O	Option
						O	Option		

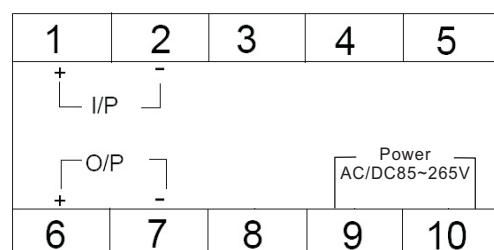
SPECIFICATION

- ◆ Accuracy: $\pm 0.5\%$ RO at $23^{\circ}\text{C} \pm 25^{\circ}\text{C}$
- ◆ Measuring Range: Input 5A, range: AC0~7.5A; Input 1A, range AC0~1.5A.
Input 110V, range 55~150V; Input 220V, range 160~300V.
- ◆ Input Load: 0.3VA/60Hz, Self Powered 3VA/60Hz; 0.1VA/60Hz at AC150V, Self Powered 2VA at 150V
- ◆ Input Frequency: 45~70Hz or 400Hz.
- ◆ Input Overload: Rating is AC5A, over current is 15A, 50A 10set/hour; 400A 0.5sec/hour
Rating is AC110V, over voltage is 500V, 1200V 10sec/hour; Self Powered: 150V AC Max.
- ◆ Output Capability: Current: $>500\Omega$ at 20mA, Voltage: DC 10mA Maximum.
- ◆ Output Protection: Against Surge, EMI, RFI.
- ◆ Insulation: AC 2KV / Min, input/output/power/case
- ◆ Surget Test: 5KV 1.2x50uS, ANSI C37.90a/1983.DIN, IEC255-4, IEC 688-1992
2.5KV-0.25mS/1MHz IEC 801-3(Ring WAVE)
- ◆ Rejection Ratio: $\geq 120\text{db}$, 50/60Hz
- ◆ Long Time Stability: $\leq 0.2\%$
- ◆ Adjustment: SPAN & ZERO $\pm 10\%$
- ◆ Response Time: $\leq 400\text{mS}$
- ◆ Output Ripple: 0~99% & 0.5% P-P or Option
- ◆ Magnetic Field Effect: DIN-ICE688 $\leq 0.005\%$
- ◆ Temp. Coefficient: $\leq 100\text{ppm}/^{\circ}\text{C}$ From 0~60 $^{\circ}\text{C}$; $\leq 50\text{ppm}/23^{\circ}\text{C} \pm 3$
- ◆ Operating Temperature: -10 $^{\circ}\text{C}$ ~65 $^{\circ}\text{C}$ 20~95% RH (non-condensing)
- ◆ Storage Temperature: -40 $^{\circ}\text{C}$ ~75 $^{\circ}\text{C}$ 20~90% RH (non-condensing)
- ◆ Power Variation: AC or DC $\pm 20\%$, 50/60Hz
- ◆ Self Powered: Output 0~XmA, range: 5~150%; 85~150V, the energy is from V1 voltage
- ◆ Power Effect: $\leq 0.01\%V$
- ◆ Housing Material: Flame-Proof ABS housing, UL94 CLASS V-O..

DIMENSION



WIRING CONNECTION



DC AUX. POWER: 9+;10-