

The Leading Manufacturer of Interface Field

- Delta I/O -

DZRT - SERIES

**12CH UNIVERSAL SIGNAL
TRANSMITTER**



■ **FEATURE**

- Multi in(T/C ,RTD, DC VOLTAGE DC CURRENT, X'TR)
- $\pm 0.1\%$ High accuracy
- Input scaling function(–9,999~9,999, –9999~9999)
- Output scaling function
- Alarm type selection function (HH–H, H–L, L–LL)
- Reverse output function
- Output isolation by photo–coupler
- 1 input–3 output
- PV bias,output bias function

DZRT - SERIES

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General Specifications

UNIVERSAL SIGNAL TRANSMITTER



This is a signal transmitter that has multi function and high function using one chip micro process by our experience and know-how. It is operated freely by front key. It has two alarm outputs. Measurements and various setting values are indicated on front 7-segments LED display. Power adopts free voltage(85~264V AC). Mounting method is 19 inches card rack type.

SPECIFICATIONS

ITEMS	DESCRIPTIONS
INPUT IMPEDANCE	Thermocouple input group, DC voltage input group : Approx. $1M\Omega$ DC current input group : 250Ω
RTD SENSOR CURRENT	Approx. $300\mu A$
RTD MAX. LEAD RESISTANCE	10Ω or less
OUTPUT RATING SUPPLY TO XTR	DC24V 30mA or less
BURN-OUT	Specify any of up scale or down scale
DISPLAY	-9999 ~ 9999 7 segment LED 4 digit display
ACCURACY	0.1% of Full Scale ± 1 Digit
COLD JUNCTION TEMPERATURE COMPENSATION ERROR	Within ± 1.0 (from $0^{\circ}C$ to $50^{\circ}C$)
OUTPUT ALARM	See ■ OUTPUT TYPE TABLE
OUTPUT SIGNAL MAX. LOAD RESISTANCE	DC current output : 600Ω or less DC voltage output : $1K\Omega$ or more
OUTPUT ALARM	2-point Relay Contact : 125V AC/0.5A, 30V DC/1A
MEMORY BACK UP	Backup by EEP-ROM
INSULATION RESISTANCE	Power and input and output : $100M\Omega$ or more at 500V DC
DIRECTRIC -STRENGTH	Input-Power AC 1,500V
	Input-1st Out-2nd Out AC 1,500V
	1st Out-2nd Out AC 1,500V
POWER SUPPLY	AC85~264V 10VA
AMBIENT TEMPERATURE	$0\sim 50^{\circ}C$
AMBIENT HUMIDITY	45~85%RH
NET WEIGHT	Approx. 300g
DIMENSION	W35,26 X H128,5 X D173mm

ORDERING CODE

MODEL : DZRT -

INPUT SIGNAL

T/C, RTD, DC Voltage/Current XTR)

OUTPUT SIGNAL 1

4. DC 0~20mA E. DC 0~5V
7. DC 4~20mA F. DC 1~5V
C. DC 0~1V N. None
D. DC 0~10V

OUTPUT SIGNAL 2

4. DC 0~20mA E. DC 0~5V
7. DC 4~20mA F. DC 1~5V
C. DC 0~1V N. None
D. DC 0~10V

Output alarm 1

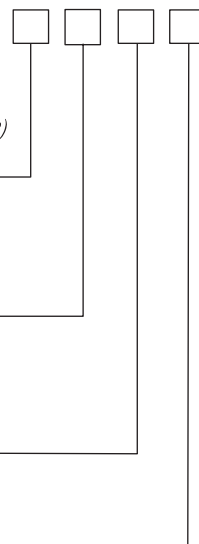
1. Relay
2. None

Output alarm 2

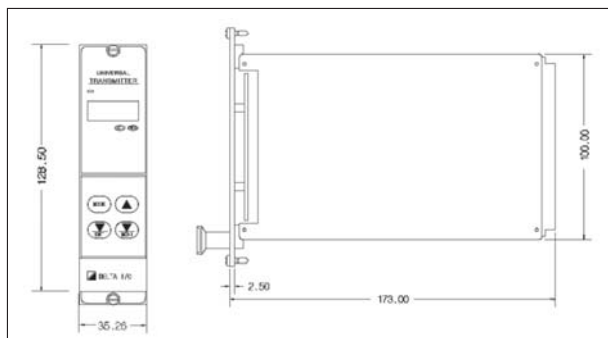
1. Relay
2. None

POWER SUPPLY

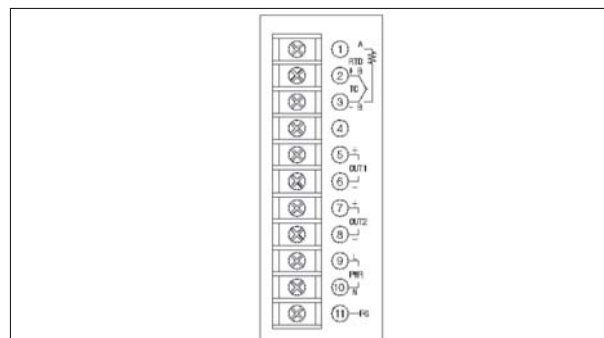
1. AC 85V~264V



DIMENSION



REAR TERMINALS



INPUT RANGE TABLE (PG-1)

GROUP		INPUT TYPE		INPUT SELECT
Temperature Input	T/C	K(℄)	-199.9 to 999.9 ℃	0
			-200 to 1372 ℃	1
		J(℄)	-199.9 to 999.9 ℃	2
			-200 to 1200 ℃	3
		T(℄)	-199.9 to 400.0 ℃	4
		R(℄)	0 to 1769 ℃	5
		S(℄)	0 to 1769 ℃	6
		B(℄)	0 to 1820 ℃	7
		E(℄)	-200 to 1000 ℃	8
		N(℄)	0 to 1300 ℃	9
		PLH(℄)	0 to 1390 ℃	10
		W5Re/W26Re(℄)	0 to 2320 ℃	11
		U(℄)	0 to 600 ℃	12
		L(℄)	0 to 900 ℃	13
		K(℄)	-199.9 to 999.9 ℉	14
			-330 to 2500 ℉	15
		J(℄)	-199.9 to 999.9 ℉	16
			-330 to 2192 ℉	17
		T(℄)	-199.9 to 752.0 ℉	18
		R(℄)	0 to 3216 ℉	19
		S(℄)	0 to 3216 ℉	20
		B(℄) *5	0 to 3308 ℉	21
		E(℄)	-330 to 1832 ℉	22
		N(℄)	0 to 2372 ℉	23
		PLH(℄)	0 to 2534 ℉	24
		W5Re/W26Re(℄)	0 to 4208 ℉	25
		U(℄)	0 to 1100 ℉	26
		L(℄)	0 to 1600 ℉	27
	RTD	JPt100 Ω	-199.9 to 510.0 ℃	28
		Pt100 Ω	-199.9 to 660.0 ℃	29
		JPt100 Ω	-199.9 to 950.0 ℉	30
		Pt100 Ω	-199.9 to 999.9 ℉	31
DC Signal	Voltage Input (Low)	mV,V (℄)	0 to 10mV DC	32
			0 to 100mV DC	33
			0 to 1V DC	34
	Voltage Input (High)	V (℄)	0 to 5V DC	35
			1 to 5V DC	36
			0 to 10V DC	37
	Current Input	mA (℄)	0 to 20mA DC	38
			4 to 20mA DC	39
XTR(2-wire)	Current Input	mA (℄)	4 to 20mA DC	40

OUTPUT TYPE TABLE (PG-2)

OUTPUT 1st TYPE	OUTPUT 2nd TYPE	OUTPUT 3rd TYPE	OUTPUT TYPE SELECT
A.O 1 (Current)	X	X	1
A.O 1 (Current)	A.O 2 (Current)	X	2
A.O 1 (Voltage)	X	X	3
A.O 1 (Voltage)	A.O 2 (Voltage)	X	4
A.L 1 (Relay)	X	X	5
A.L 1 (Relay)	AL 2 (Relay)	X	6
A.O 1 (Current)	A.O 2 (Voltage)	X	7
A.O 1 (Voltage)	A.O 2 (Current)	X	8
A.O 1 (Current)	AL 1 (Relay)	X	9
A.O 1 (Voltage)	AL 1 (Relay)	X	10
A.O 1 (Current)	A.O 2 (Current)	AL 1 (Relay)	11
A.O 1 (Voltage)	A.O 2 (Voltage)	AL 1 (Relay)	12
A.O 1 (Current)	A.O 2 (Voltage)	AL 1 (Relay)	13
A.O 1 (Voltage)	A.O 2 (Voltage)	AL 1 (Relay)	14
A.O 1 (Current)	AL 1 (Relay)	AL 2 (Relay)	15
A.O 1 (Voltage)	AL 1 (Relay)	AL 2 (Relay)	16

General Specifications

19 INCH STD RACK MOUNTING FRAME

This has a 19 Inch STD Rack Mounting Frame structure that mounts up to 12 DZRT-SERIES simultaneously. It provides a power at once. Rack Mounting and Wall Mounting are possible to use.



SPECIFICATIONS

ITEMS	DESCRIPTIONS
CUPACTT	12 POSITIONS
POWER SUPPLY	Screw Terminals at the right of Rack
INSULATION RESISTANCE	Greater than 100mΩ at DC 500V
AMBIENT-TEMP	-5~+55 (20~130°F)
HUMIDITY	Less than 90% RH (on condensation)
CONSTRUCTION SUPPLY	angle bracket : ELA standard Rack/WALL
MOUNTING	angle bracket : ELA standard Rack/WALL
CASE MATERIAL	AL
PAINTING	BLACK & SILVER
WEIGHT	About 1,2kg
DIMENSION	W483 X H132,5 X D183mm

ORDERING CODE

MODEL : DZR-12G

DIMENSION

