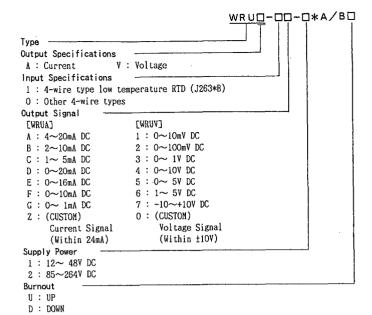
## 1. GENERAL

Model WRUA/V Ultra Low Temperature RTD Transmitter performs high accuracy measurement from super low temperature to normal temperature combining with 4-wire (platinum & thin cobalt alloy) super low temperature RTD (Yokogawa J263\*B) and converts them into isolated current or voltage signal.

## 2. SPEIFICATIONS

. SPEIFICATIONS	put/Output Specifications			
Input signal				
	Yokogawa J263*B RTD (platinum & thin cobalt alloy)			
Measuring range	As per Yokogawa J263*B RTD Standard Table			
Input resistance	IMΩ (3KΩ when power off)			
Zero elevation	Within 5 times of span			
.Span	Standard span is more than 10 deg.C			
Input conductor resistance	Less than 500 per wire (resistance value of each wire should be equal)			
Output signal	Direct current or voltage signal			
	±1% of span (input adjust), ±10% of span (output correction)			
Span adjustment range	±1% of span (input adjust), ±10% of span (output correction)			
St	andard Performance			
Accuracy rating	Within ±0.1% of span or 0.3% whichever greater(incl. linearized error)			
Response Speed	200ms 63% response (10~90%)			
Burnout	Designate Yes (up, down) or No. Burnout time is less than 60 sec.			
Insulation resistance	100MΩ/500V DC between input∼output∼power source (DC Drive) and			
	input~output~power source~ground (AC Drive)			
Withstand Voltage	1500V AC/1 minute between input~output~power source			
	500V AC/1 minute between output~power source (DC Drive)			
	1500V AC/1 minute between input~output~power source~ground			
	(AC Drive)			
Ambient temperature &	Normal operating condition: 0~50°C, 5~90%RH			
humidity	Possible operating limit: -10~60°C, 5~95%RH			
	Transport storing condition: -40~70°C, 5~95%RH (no condensation)			
Power source voltage	85~264V AC 47~63Hz or 24V DC±10%			
Effect of wire resistance	Unbalance of wiring resistance Error per 100:0.01C			
Effect of power source	Less than ±1% of span or 0.3°C for 85~264V AC or 24V DC±10%			
voltage fluctuation				
Effect of ambient	Less than 0.2% of span or 0.6% for change of 10°C			
temperature change				
	24V DC 90mA(WRUA), 60mA(WRUV)			
Power dissipation	100V AC 7VA (WRUA), 6VA (WRUV)			
	nting & Shape			
Materials	ABS plastic case			
PCB	Glass epoxy both sides substrate			
Mounting method	Rack, wall mounting, DIN rail			
Connecting method	M4 screws terminal connection			
External dimension	72x48x127mm (HxWxD)			
	Abt. 150g (DC Drive), Abt. 300g (AC Drive)			
Weight	<u></u>			
Accessories Tag number label 1 Range label 1 Mounting block 2				
Mounting screw M4	4			





N : OFF

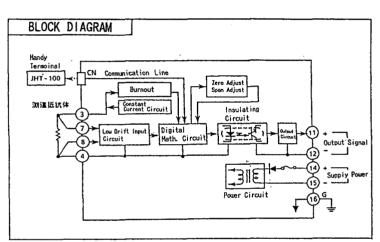
Output Resistance & Allowable Load Resistance

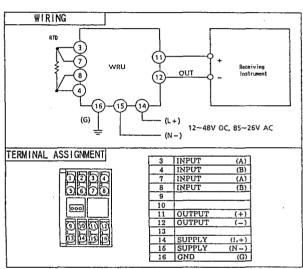
DC Cu	rrent Output Type	
Output Signal	Output Resistance	Allowable Load Resistance
4~20mA DC		0∼ 7500
2~10mA DC		0~1500₽
1∼ 5mA DC		0~3000₽
O∼20mA DC	More than 5MQ	0~ 750Ω
0~16mA DC	1	0~ 900Q
0~10mA DC	Ì	0~1500₽
0∼ 1mA DC	1	0~ 15Ω
Others, I = less than 2mA	l <u></u>	Less than (15/I,)Q

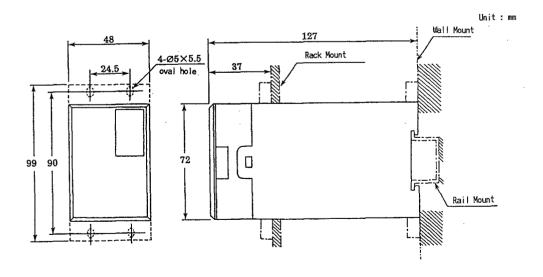
I,...=100% output current value

DC Voltage Output Type				
Output Signal		Output Resistance	Allowable Load Resistance	
0~10m∀ DC		Less than 1000	More than 250K	
0~100mV DC				
0~1Y DC			More than 2KG	
0~10V DC		Less than 10	" 10KQ	
0~5Y DC			" 2KQ	
1~5V DC			" 2KQ	
-10~+10V DC			" 10KQ	
Others,	V≦100mV	Less than 1000	" 250KQ	
I=less than 10V	V,>100mV	Less than 10	" 10KQ	

V. . = 100% output voltage value







Subject to change without notice for grade up quality and performance