

DIGITAL INDICATOR

SERIES SD15

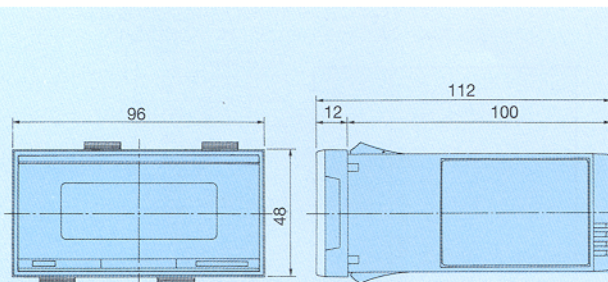
- DIN Size 48 (H) × 96 (W) × 112 (D) mm (Panel Depth: 100mm)
- Input: R.T.D. (Pt100), Thermocouple, Voltage & Current



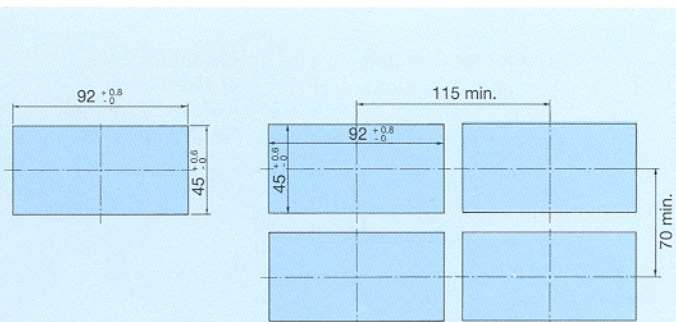
SPECIFICATIONS

Display:	Digital Red LED (H: 14.3mm)	Operating Ambient Temperature Range:	-10~+50°C
Indication Tolerance:	±0.5% + 1 digit of measuring range (T / C S & R input, Effective Measuring Range: 400°C min.)	Operating Ambient Humidity:	90% RH max.
A / D Conversion:	Dual-slope integration	Power Supply:	100~110 / 200~220V AC +10% 50 / 60Hz 110~120 / 220~240V AC ±10% 50 / 60Hz
Sampling Cycle:	4 times / sec.	Power Consumption:	Approx. 3VA
Input:		Insulation Resistance:	500V DC 20MΩ min. between input terminal and power supply terminal 500V DC, 20MΩ min. between power supply terminal and earth terminal
Thermocouple:	L, J, K, R, S	Dielectric Strength:	1 min. at 500V AC between input terminal and power supply terminal 1 min. at 1500V AC between power supply terminal and earth terminal
Cold Junction Temp. Compensation Range:	5~45°C / 2°C max. (R & S = 5°C max.)	Installation:	Flush in panel
Burnout Circuit:	Standard feature	Panel Thickness:	1.0~3.5mm
Input Resistance:	200kΩ min.	External Dimensions:	48 (H) × 96 (W) × 112 (D) mm (panel depth 100mm)
External Resistance:	100Ω max.	Panel Cutout:	45 (H) × 92 (W) mm
R.T.D.:	Pt100-JIS / DIN	Weight:	Approx. 270g
Amperage:	1mA		
Lead Wire Tolerable Resistance:	5Ω max. / wire		
Voltage:	0~10mV DC linear or 1~5V DC linear		
Input Impedance:	200kΩ min.		
Current:	4~20mA DC linear		
Receiving Impedance:	250Ω		

EXTERNAL DIMENSIONS



PANEL CUTOUT



Unit : mm

ORDERING INFORMATION

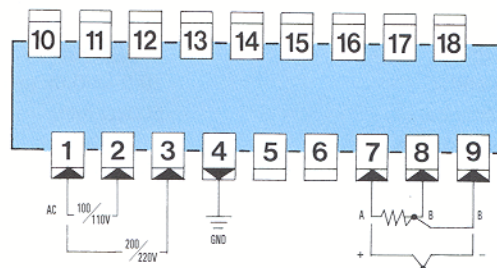
ITEMS		CODE		SPECIFICATIONS
SERIES	SD15-			Digital Indicator, 48 (H) × 96 (W) mm DIN
INPUT		1		Thermocouple, Input Resistance: 200kΩ min., External Resistance: 100Ω max.
		2		R.T.D. (Pt100) -R.T.D. Amperage: 1mA, Lead Wire Resistance: 5Ω max. / wire
		3		Voltage: 0~10mV DC Linear, Input Impedance: 200kΩ min.
		4		Current: 4~20mA DC Linear, Receiving Impedance: 250Ω
		7		Voltage: 1~5V DC Linear, Input Impedance: 200kΩ min.
POWER SUPPLY		11-		100~110V / 200~220V AC ±10%, 50 / 60Hz
		12-		110~120V / 220~240V AC ±10%, 50 / 60Hz
INPUT STANDARD		N		None
		J		JIS
		F		JIS (New Pt100-JIS)
		D		DIN
		A		ANSI
TYPE OF INPUT		J		Thermocouple (J)
		K		Thermocouple (K)
		Q		Thermocouple (L) DIN-43710
		R		Thermocouple (R)
		S		Thermocouple (S)
		P		R.T.D. (Pt100)
		L		Linear - Voltage & Current Inputs
MEASURING RANGE		□□□		See Measuring Range Codes.
LEGEND		N		None
		C		°C Temperature
		F		°F Temperature
		H		% RH Humidity
		X		Others (Please consult before ordering.)
REMARKS		0		Without
		9		With (Please consult before ordering.)

MEASURING RANGE CODES

INPUT	RANGE	RESOLUTION	CODE	LEGEND
R.T.D. (Pt100)	-100.0~ 100.0°C	0.1	581	C
	0 ~ 100.0°C	0.1	784	
	0 ~ 199.9°C	0.1	786	
	0 ~ 500 °C	1	750	
THERMO COUPLE	J 0 ~ 600 °C	1	760	C
	L 0 ~ 600 °C	1	760	
	K 0 ~ 400 °C	1	740	
		0 ~1200 °C	1	
	R 0 ~1700 °C	1	817	
S 0 ~1700 °C	1	817		
VOLTAGE / CURRENT	0 ~100.0%RH	0.1	784	H

INPUT	RANGE	RESOLUTION	CODE	LEGEND
R.T.D. (Pt100)	-100.0~199.9°F	0.1	593	F
	0 ~ 1000°F	1	810	
	J 0 ~ 1000°F	1	810	
THERMO- COUPLE	K 0 ~ 1999°F	1	887	F

*T / C S&R input, effective measuring range: 400°C min.



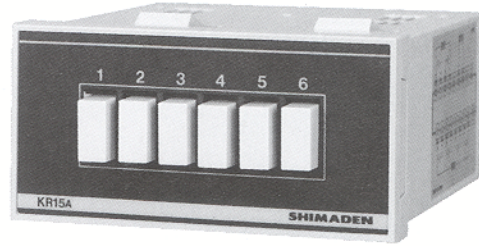
SELECTOR SWITCH

SERIES KR10 / KR15A

- DIN Size 48 (H) × 96 (W) mm
- Two Circuits & Six-Point Switching
- Push Button



KR10

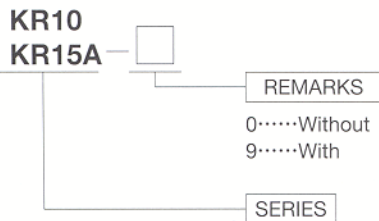


KR15A

SPECIFICATIONS

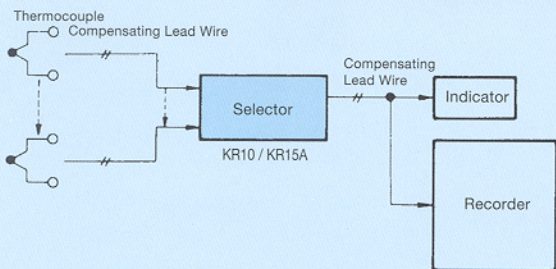
No. of Switching Points:	6
No. of Switching Circuits:	2
Switching Operation Method:	Push button switching
Contact Rating:	
Voltage:	30V max., AC / DC
Current:	100mA max
Contact Resistance	300mΩ (0.3Ω) max. / circuit
Switching Indication:	Push button indication
Operating Ambient Temperature Range:	-10~+50°C
Operating Ambient Humidity:	90% RH max.
Installation:	Flush in panel
External Dimensions:	KR10 = 48 (H) × 96 (W) × 188 (D) mm KR15A = 48 (H) × 96 (W) × 118.5 (D) mm
Panel Cutout:	See next page.
Weight:	Approx. 330g (KR10) 300g (KR15A)

ORDERING INFORMATION

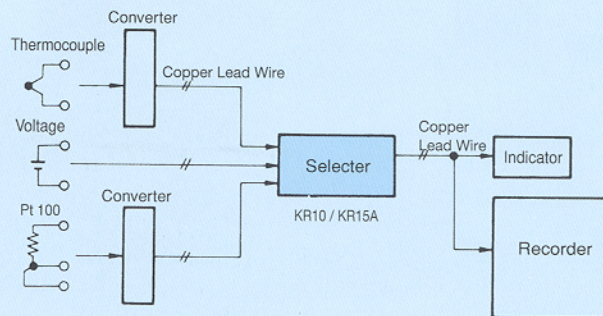


OPERATION EXAMPLES

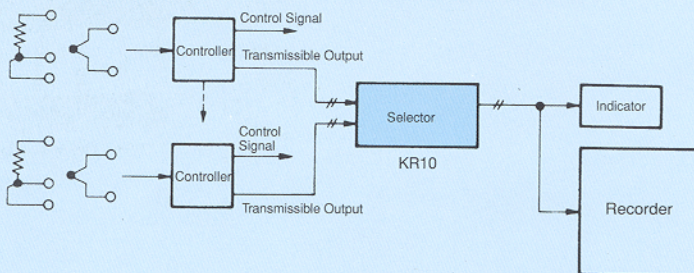
Selection of Thermocouple (KR10, KR15A)



Selection of Voltage (KR10, KR15A)

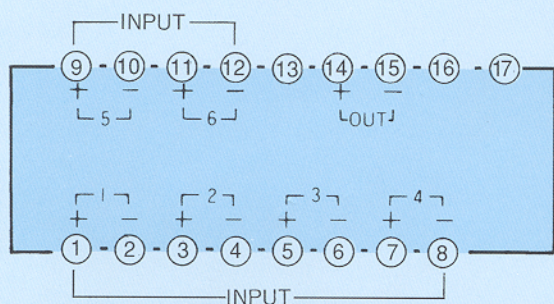


Selection of Transmissible Output (KR10, KR15A)

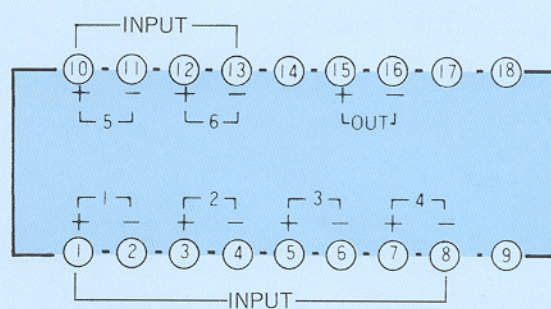


TERMINAL ARRANGEMENT

KR10

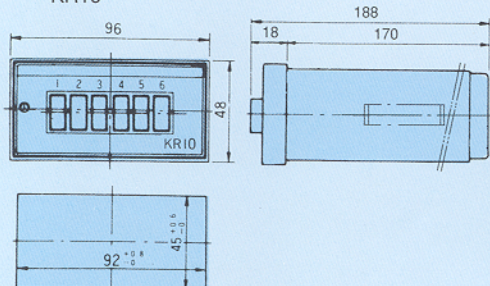


KR15A

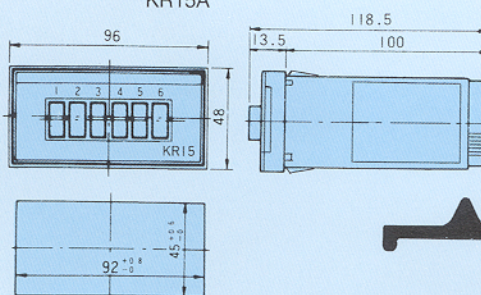


EXTERNAL DIMENSIONS & PANEL CUTOUT

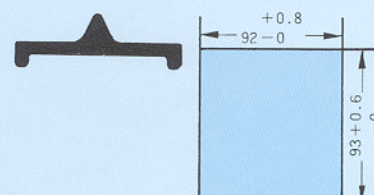
KR10



KR15A



Use the following attachment when the unit is used with SD15.



Unit: mm