

Switch Digital Relay Meter



Model No.

KDR - 

1	2	3
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① Input	② Setting	③ Input signal/Analog
A AC ammeter	H Upper limit setting	Order made
B AC voltmeter	T Upper / lower limit setting	
C DC ammeter	How to order KDR-AT 0 ~ 100.0/5A KDR-BT 22.90/110V	
D DC voltmeter	Customized product can be produced by order.	
E Signal meter	Limit setting can be done by the front button	

Specification

Aux. power	AC 110 or 220V ±10%
Operating temperature	-10~50℃
Operating humidity	20~85%
Insulation resistance	More than 10MΩ
Surge impulse	Voltage(1.2μs/ 50μs,5kV) Current(8μs/ 20μs)
Burst	Level 4(IEC 61000-4-4)
Relay rated capacity	AC 250V, 2A DC 30V, 2A Use contacts A,B
Withstand voltage	AC 2kV/1 minute
Maximum input	Approximately 110% of each input
Weight	450g

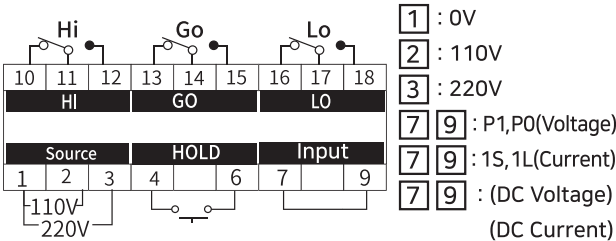
Input

Range	AC current	0~5.5A(Rated CT : 1 or 5A)
	AC voltage	0~150V
	DC current	0~60mV(Rated Shunt : 50 or 60mV)
	DC voltage	0~150V
	Indication	4~20mA
Accuracy		±(0.3% of rdg + 0.2 of F.S)

Drawing

Refer to page 80 Type B

Connection diagram



Display

Text height (LED)	10.2(0.39")mm Red
Measuring interval	2.5Times / sec
Max display value	9999

Operation

- Depends on setting and condition, output will be 3 types as below.
- HI output: If the input is higher than the HI setting, activate HI Relay and turn on the HI LED ON.
  - GO output: If the input is not higher than HI setting and not lower than Lo setting, activate Go relay and GO LED ON.
  - LO output: If the input is lower than LO setting, activate LO relay and LO LED ON.

Condition	HI Output		GO Output		LO Output	
	Relay	LED	Relay	LED	Relay	LED
Hi Setting < Display	ON	ON	OFF	OFF	OFF	OFF
Lo Setting > Dispaly	OFF	OFF	OFF	OFF	ON	ON
Lo ≤ Display ≤ Hi	OFF	OFF	ON	ON	OFF	OFF
Error	It does not work when the Lo Setting is higher than the HI Setting. Error (----) will be displayed.					