

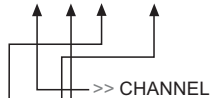
Thermal recorder KR - 50 measures a various industrial input and prints records clearly to indicate. It is easier to operate character than existing products and it is small, light - weighted.

## Features

- Compact and light size
- Easy operation
- 2 Channel (option)

## Ordering Codes

KR-50-□□□-□



CODE	CHANNEL
1	1CH
2	2CH

>> 1CH INPUT

>> 2CH INPUT

[INPUT TABLE]

CODE	RANGE	SCALE	GROUP
0	NONE		2CH INPUT NONE
B	TC B	0~1800℃	1 GROUP
R	R	0~1750℃	
S	S	0~1750℃	
K	K	0~1350℃	
E	E	-200~800℃	
J	J	-200~800℃	
T	T	-200~800℃	
N	N	0~1300℃	
m	mV	±20mV	
1	Pt100	-200~600℃	
2	Pt100(0.1)	-199.9~600.0℃	
3	JPt100	-200~600℃	
1	Pt100	-200~600℃	3 GROUP
2	Pt100(0.1)	-199.9~600.0℃	
3	JPt100	-200~600℃	
4	mA	4~20mA	
5	V	1~5V	

>> ALARM

CODE	ALARM
0	NONE
1	1CH
2	2CH
3	1CH, 2CH

⚠ When ordering 2CH input, it is possible for selecting input in only Group select 1CH.

⚠ In case of RTD, mA, V of 3Group, 1CH:RTD, 2CH:Fixed mA, V

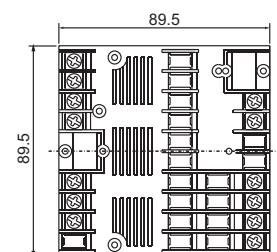
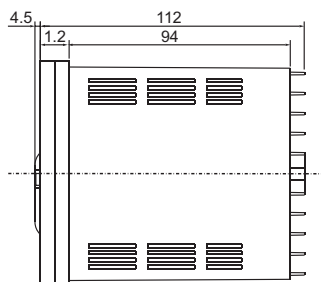
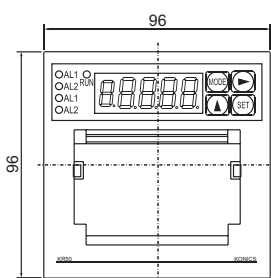


## Specifications

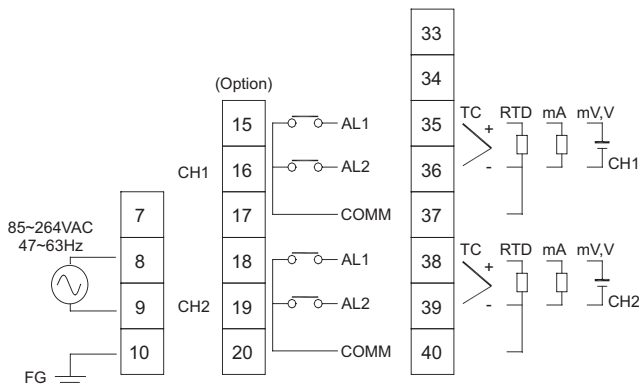
- Measurement : 2 point
- Input : T/C, RTD, mV, mA(Single input)
- Accuracy : High value of  $\pm 0.25\%$  of F.S or 1 digit
- Responding time : Under 4sec
- CMRR : Over 140dB
- NMRR : Over 40dB
- Recording method : Thermal line
- Print head : 203dpi (8.0dots/mm), 2inch (48mm/384dots)
- Recording speed : 30mm/H, 60mm/H
- Recording paper : Valid recording width 44mm, length : 16M
- Input resistance : Voltage type 200k $\Omega$ , mA type 250k $\Omega$   
(External resistance), Others : Over 1M $\Omega$
- Isolation resistance : Over 10M $\Omega$  between FG-Power terminal (500VAC)
- Isolation internal voltage : AC 1.5kV FG-Input terminal for a minute,  
AC 1.5kV FG-Power terminal for a minute
- Operating temperature / humidity : 0℃ ~ 40℃, 10 ~ 70%RH
- Storage temperature / humidity : -20℃ ~ 70℃, 5 ~ 95%RH
- Power supply : 85/264VAC, 47 ~ 63Hz
- Power capacity : Max. 24W(220VAC)
- Mounting method : Panel mounting type
- Size : 96(W)×96(H)×112(D)mm
- Weight : Approx. 1kg

## Dimensions

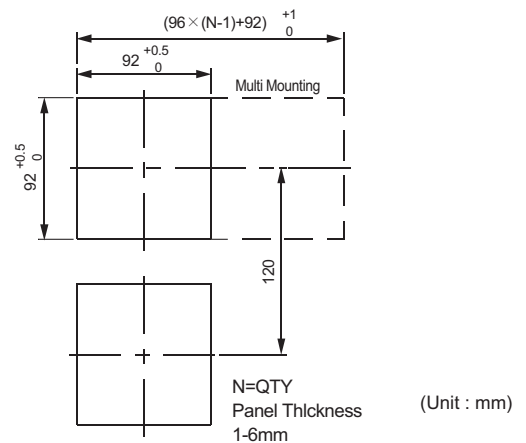
(Unit : mm)



## Connections



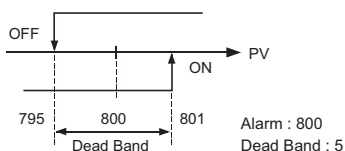
## Panel Cutout



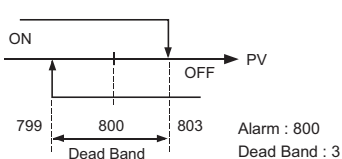
## Functions

- **Paper sensing function**  
Operation will come to stop and condition lamp will turn off when recording paper runs out.
- **Setting position record and scale indication function**
- **Real time recording function**
  - Preset H/H, L/L scale is recorded every hour.
  - Current date, time and measurement value will be recorded every 30 min.
- **Time setting function**
  - Time setting of year, month, day, time, minute and second is possible.
  - Setting time is compulsory prior to usage.
- **Alarm function (Option)**
  - Alarm type : It can select among HH/H, H/L and L/L for each channel separately.
  - Dead band for alarm use : It can set Dead band value for each alarm channel separately.
  - Alarm contact point
    - 1) The number of contact points : 1CH : AL1, AL2  
2CH : AL1, AL2
    - 2) Responding time : Under 2 sec
    - 3) Capacity of contact point : 125VAC/0.5A, 30VDC/5A

### 1) HH/H alarm



### 2) L/LL alarm

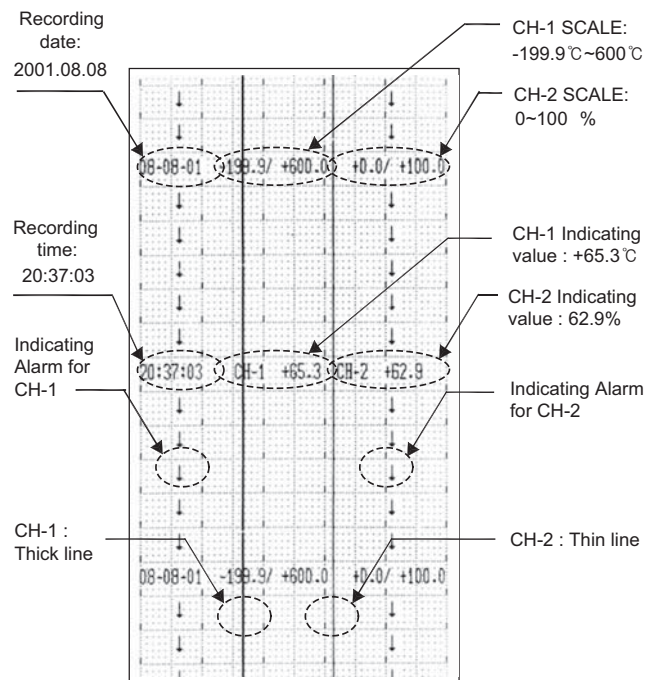


- Alarm setting range should be below H/H scale and above L/L scale.

### • Unit function

Selecting °C or °F (In case of TC or RTD)

## Recording Paper Indications



## Hybrid Small - sized Recorder

# KONICS

**A**

Recorders

**B**

Data Loggers

**C**

Indicators

**D**

Converters

**E**

Controllers

**F**

Thyristor Units

**G**

Transmitters

**H**

Temp. Sensors

**I**

Thermo Meters

**J**

Pressure Gauges

**K**

Others

KR-50

KR - 100N

KA - 100

VR - 18