



SHIMADEN DIGITAL INDICATOR



CE approved

PRODUCT FEATURE

- High Accuracy $\pm 0.1\% \text{ FS} + 1 \text{ digit}$**
- 1/1000 °C Resolution Indication Possible (Pt input 0.000 – 30.000 °C)**
- 3 Display Modes (Peak Hold, Bottom Hold, Display Hold)**
- External Control Input (2 points) as a Standard Feature**
- C contact (2 points) or a contact (4 points) can be selected for alarm output.**
- Analog Output Hold Function (Hold Display Value Output)**
- Communication Function RS-485/RS-232C
(Shimaden Standard Protocol/MODBUS)**
- Linear Approximation Operation Function (Voltage/Current Input only)**
- Dust-proof and drip-proof structure: IP66 equivalent**

| | SD20 | SD24 |
|--------------------------------------|-----------------------|------------------|
| Number of digit | 4 digits | 5 digits |
| Accuracy | 0.25% | 0.1% |
| Input | Specified by customer | Universal |
| Display cycle range | 0.25 sec. | 0.1 sec. |
| RoHS compliance | Non-compliant | Compliant |
| Linear approximation function | Without | With |
| Analog output hold | Without | With |

Example of use

■ Display**● Display methods**

- Digital display : Measured value (PV) / 7 segments red LED 5 digits Height of character: Approx. 14.3 mm
- Status display : LED lamp display
Green: MAX, MIN, HOLD, COM/SET
Red: AL1, AL2, AL3, AL4

● Display accuracy

- : Refer to Measuring Range Codes.
TC: $\pm(0.1\% \text{ FS}+1 \text{ digit})$ Excluding cold junction temperature compensation accuracy error of thermocouple input
Accuracy guarantee not applicable to 400 °C or below of B thermocouple
Display value is -100°C or below with K, T thermocouples: Accuracy $\pm(0.5\% \text{ FS}+1 \text{ digit})$
PR40-20 thermocouple: Accuracy $\pm(0.3\% \text{ FS}+1 \text{ digit})$
K thermocouple 10.0–030.0 K: Accuracy $\pm(0.75\% \text{ FS}+1 \text{ digit})$
 30.1–070.0 K: Accuracy $\pm(0.30\% \text{ FS}+1 \text{ digit})$
 70.1–350.0 K: Accuracy $\pm(0.25\% \text{ FS}+1 \text{ digit})$
AuFe-Cr thermocouple: Accuracy $\pm(0.25\% \text{ FS}+1 \text{ digit})$
Pt/JPt: $\pm(0.1\% \text{ FS}+1 \text{ °C}+0.1 \text{ digit})$
mV, V: $\pm(0.1\% \text{ FS}+1 \text{ digit})$
mA: $\pm(0.1\% \text{ FS}+1 \text{ digit})$
- Display accuracy maintaining range : $23 \text{ °C} \pm 5 \text{ °C}$
- Display resolution : Depends on measuring range and scaling (0.001, 0.01, 0.1, 1)
- Measured value display range : -10–110% of measuring range Refer to Measuring Range Codes.
(Range of Pt 100: -200–600 °C or -240–680 °C, range of JPt 100: -200–500 °C or -240–570 °C)
- Display updating cycle : 0.1 seconds
- Input scaling function : Scaling possible for linear input (mV, V, mA), inverse scaling possible
- Scaling range : -9999–30000 digit
- Span : 10–40000 digit
- Position of decimal point : None, 1, 2 and 3 digits on the right of decimal point
- Sampling cycle : 0.1 seconds
- PV bias : -9999–10000 digit
- PV slope : 0.500–1.500 times of input value
- PV filter : 0–100 seconds
- PV input operation : Square-root extraction (Only linear input, input low cut 0.0–5.0% FS)
Linear approximation (Only linear input) 11 points

■ Setting**● Set value display**

- : Both set items and parameter are displayed on PV.
- : By operating 5 keys (**DISP**, **◀**, **▼**, **▲**, **ENT**) on the front panel
- : OFF, 1–2 (3 level)
OFF: No key rock
1: Only key rock screen and mode 0 screen group can be changed.
2: Only key rock screen can be changed.

■ Input**● Input type**

- Multi-input : Selectable from multi-input (TC, Pt, mV), voltage (V) or current (mA)

♦ Thermocouple

- Input resistance : 500 kΩ minimum
- External resistance tolerance : 100 Ω maximum
- Burnout function : Standard feature (up scale)
- Cold junction temperature compensation accuracy : $\pm 1.0 \text{ °C}$ (18–28 °C of ambient temperature)

♦ R.T.D.

- Amperage : Approx. 1.1 mA
- Lead wire tolerance range : 10 Ω maximum/wire (3 lead wires should have the same resistance.)

♦ Voltage (mV)

- Input resistance : 500 kΩ minimum

Voltage (V) input

- : -1–1, 0–1, 0–2, 0–5, 1–5, 0–10, -10–10 V DC
- Input resistance : 500 kΩ minimum

Current (mA) input

- : 0–20, 4–20 mA DC
Receiving impedance: 250 Ω
- Current : Not insulated from input and DI but insulated from others

♦ Isolation

| ● Input scaling function | : Voltage mV, V, current mA range Scalable (Inverse scaling possible) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---------------|--------------------------|---------------|---------------|----|-----------------------------------|--------------|--------------------------|----|----------------------------------|--------------|-------------------------|------|---|--------------|--------------------------|------|--|--------------|-------------------------|----|-----------|------|------|-----|------------------------------------|---------------|-------------|-----|-----------------------------------|---------------|-------------|-----|--|-----------|-------------|-------|--|---------------|-------------|-------|---|---------------|-------------|-------|--|-----------|-------------|
| Scaling range | : -9999–30000 digit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Span | : 10–40000 digit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Position of decimal point | : None, 0.0, 0.00, 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Sampling cycle | : 0.1 seconds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● PV bias | : -9999–10000 digit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● PV slope | : 0.500–1.500 multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● PV filter | : 0–100 sec. (filter off by 0 sec. setting) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Isolation | : Isolated except for input and DI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ■ Alarm output (option) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Number of output points | : Selectable from a contact output 4 points (AL1, AL2, AL3, AL4) or c contact output 2 points (AL1, AL2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Alarm types | : Selectable from the following 12 types for AL1 – AL4 The following 12 types can be assigned for each alarm. None Higher limit absolute value alarm (without latching function) Higher limit absolute value alarm (with latching function) Lower limit absolute value alarm (without latching function) Lower limit absolute value alarm (with latching function) Scaleover Deviation higher limit value alarm (without latching function) Deviation lower limit value alarm (without latching function) Deviation higher/lower limit value alarm (without latching function) Deviation higher limit value alarm (with latching function) Deviation lower limit value alarm (with latching function) Deviation higher/lower limit value alarm (with latching function) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Alarm conditions | : About AL2 ... When the AL1 alarm type is [None] or scale over, the [Deviation] alarm can not be selected. About AL4 ... If the AL3 alarm type is [None] or scale over, the [Deviation] alarm can not be selected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Action method | : ON-OFF action | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Hysteresis | : 1–9999 digit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Standby action | : Selectable from following 2 types Without standby Standby (when power is applied) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Output type/rating | : When in a contact: 240 V 2 A (resistive load) Between AL1 and AL2, and between AL3 and AL4 are common. When in c contact: 240 V 2.5 A (resistive load) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Output updating cycle | : 0.1 seconds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Isolation | : When in a contact, between AL1 and AL2, and between AL3 and AL4 are not insulated but insulated from others. When in c contact, between AL1 and AL2 is insulated and insulated from others. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● Alarm range | : <table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> <th>Setting range</th> <th>Initial value</th> </tr> </thead> <tbody> <tr> <td>HA</td> <td>Higher limit absolute value alarm</td> <td>Within range</td> <td>Range higher limit value</td> </tr> <tr> <td>LA</td> <td>Lower limit absolute value alarm</td> <td>Within range</td> <td>Range lower limit value</td> </tr> <tr> <td>HA_L</td> <td>Higher limit absolute value alarm (With latching function)</td> <td>Within range</td> <td>Range higher limit value</td> </tr> <tr> <td>LA_L</td> <td>Lower limit absolute value alarm (With latching function)</td> <td>Within range</td> <td>Range lower limit value</td> </tr> <tr> <td>So</td> <td>Scaleover</td> <td>----</td> <td>----</td> </tr> <tr> <td>dHi</td> <td>Deviation higher limit value alarm</td> <td>-9999 – 19999</td> <td>19999 digit</td> </tr> <tr> <td>dLo</td> <td>Deviation lower limit value alarm</td> <td>-9999 – 19999</td> <td>-9999 digit</td> </tr> <tr> <td>dHL</td> <td>Deviation higher/lower limit value alarm</td> <td>1 – 19999</td> <td>19999 digit</td> </tr> <tr> <td>dHi_L</td> <td>Deviation higher limit value alarm (With latching function)</td> <td>-9999 – 19999</td> <td>19999 digit</td> </tr> <tr> <td>dLo_L</td> <td>Deviation lower limit value alarm (With latching function)</td> <td>-9999 – 19999</td> <td>-9999 digit</td> </tr> <tr> <td>dHL_L</td> <td>Deviation higher/lower limit value alarm (With latching function)</td> <td>1 – 19999</td> <td>19999 digit</td> </tr> </tbody> </table> | Code | Name | Setting range | Initial value | HA | Higher limit absolute value alarm | Within range | Range higher limit value | LA | Lower limit absolute value alarm | Within range | Range lower limit value | HA_L | Higher limit absolute value alarm (With latching function) | Within range | Range higher limit value | LA_L | Lower limit absolute value alarm (With latching function) | Within range | Range lower limit value | So | Scaleover | ---- | ---- | dHi | Deviation higher limit value alarm | -9999 – 19999 | 19999 digit | dLo | Deviation lower limit value alarm | -9999 – 19999 | -9999 digit | dHL | Deviation higher/lower limit value alarm | 1 – 19999 | 19999 digit | dHi_L | Deviation higher limit value alarm (With latching function) | -9999 – 19999 | 19999 digit | dLo_L | Deviation lower limit value alarm (With latching function) | -9999 – 19999 | -9999 digit | dHL_L | Deviation higher/lower limit value alarm (With latching function) | 1 – 19999 | 19999 digit |
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■ External control input (DI)

- Number of input points : 2 points
- Type of DI allocation : Selectable from the following 4 types for each DI
 - NON
 - HLD (hold): Maintain the current input value
 - RESET (reset): Reset maximum or minimum value
 - L_RS (unlatching)
- Action input
- Input minimum holding time : 0.1 seconds
- Isolation : Not insulated between DI and input but insulated from others

■ Analog output (optional)

- Type : Communication function (option) and exclusive choice
 - 0–10mV (output resistance 10Ω)
 - 0–10V (max. load current 2mA)
 - 4–20mA (max. load resistance 300Ω)
- Resolution : Approx. 1/10000
- Output accuracy : ±0.1%FS for display value
- Scaling : Within measuring range or output range (inverse scaling possible)
- Output updating cycle : 0.1 seconds
- Isolation : Isolation for all

■ Communication function (option) Exclusive selection with analog output

- Type of communication : RS-232C, RS-485
 - Communication method : 2-line half duplex start-stop synchronization system
 - Communication distance
 - RS-485 : Max. 500 m (differs according to conditions)
 - RS-232C : Max. 15 m
 - Communication speed : 2400, 4800, 9600, 19200 bps
 - Data format : Selectable from among 7E1, 7E2, 7N1, 7N2, 8E1, 8E2, 8N1, 8N2
 - Communication delay time : 1–100 msec
 - Max. number of connections
 - RS-485 : 32 including host
 - RS-232C : 1
 - Communication address : 1–255
 - Communication code : ASCII, MODBUS RTU binary code only
 - Communication protocol : Shimaden standard protocol / MODBUS ASCII, RTU
 - Other : Start character and BCC operating method can be selected.
 - Communication memory mode : Selectable from among EEP, RAM and E_R
 - Isolation : Isolation for all
- Sensor power supply (option)**
- Output rating : 24 V DC 50 mA (Two H71/TH71 Series temperature/humidity sensors can be operated.)
 - ON/OFF : Dependent on main body power supply
 - Isolation : Isolation for all

SPECIFICATIONS

Series SD24

■ General specifications

- Data storage : Non-volatile memory (EEPROM)
- Ambient conditions for operations
 - Temperature : -10–50 °C
 - Humidity : Max. 90% RH (no dew condensation)
 - Elevation : Max. 2000 m above sea level
 - Over voltage category : II
 - Pollution class : 2 (IEC60664)
- Storage temperature : -20–65 °C
- Supply voltage : 100–240 V AC±10%, 50/60 Hz
24 V AC (50/60 Hz)/DC
- Input/noise removal ratio : Normal mode minimum 50 dB (50/60 Hz)
Common mode minimum 120 dB (50/60 Hz)
- Insulation resistance : Between input/output terminals and power terminal Min. 500 V DC, 20MΩ
Between ground and power terminal Min. 500 V DC, 20 MΩ
- Dielectric strength : Between input/output terminals and power terminal 2300 V AC 1 minute
Between ground and power terminal 1500 V AC 1 minute
- Power consumption : Max. 13 VA for 100–240 V AC
Max. 9 VA for 24 V AC
Max. 7 W for 24 V DC
- Applicable standards : Safety IEC61010-1 and EN61010-1
IEC61010-2-030 and EN61010-2-030
EMC EN61326-1
RoHS EN50581
- Dust-proof and drip-proof structure : IP66 equivalent
- Material of case : PPO resin molding (flame resistant grade UL94V-1)
- External dimensions : H48×W96×D111 mm (in panel 100 mm)
- Panel thickness : 1.0–4.0 mm
- Panel cutout : H45×W92 mm
- Weight : 400 g maximum

ORDERING INFORMATION

| ITEM | CODE | | SPECIFICATIONS | | |
|--|-------|----|--|---|--|
| SERIES | SD24- | | DIN 48x96 Digital Indicator, DI 2 points | | |
| INPUT | 8 | | Universal-input Input resistance: 500 kΩ minimum <ul style="list-style-type: none"> • Thermocouple • R.T.D.: Pt100/JPt100 • Voltage (mV): <ul style="list-style-type: none"> -10 – 10, 0 – 10, 0 – 20, 0 – 50, 10 – 50, 0 – 100, -100 – 100 mV DC | Refer to "Measuring Range Codes" for details of input type and measuring range. | |
| | | 6 | Voltage (V) Input resistance: 500 kΩ minimum <ul style="list-style-type: none"> -1 – 1, 0 – 1, 0 – 2, 0 – 5, 1 – 5, 0 – 10, -10 – 10 V DC | Voltage mV, V, Current mA range Scaling Possible (inverse scaling possible) Range: -9999 – 30000 units Span: 10 – 40000 units | |
| | | 4 | Current (mA) Receiving impedance: 250 Ω <ul style="list-style-type: none"> 0 – 20, 4 – 20 mA DC | | |
| POWER SUPPLY | 90- | | 100 – 240V AC±10%, (50/60 Hz) | | |
| | 08- | | 24 V AC (50/60 Hz)/DC±10% | | |
| ALARM (OPTION) | 0 | | None | | |
| | | 1 | Individually set/output 4 points (a contact) | | |
| | | 2 | Individually set/output 2 points (c contact) | | |
| ANALOG OUTPUT/ COMMUNICATION FUNCTION (OPTION) | 00 | | None | | |
| | | 03 | 0 – 10 mV DC Output resistance: 10 Ω | Scaling Possible (inverse scaling possible) (within measuring range) | |
| | | 04 | 4 – 20 mA DC Resistive load: 300 Ω max. | | |
| | | 06 | 0 – 10 V DC Load current: 2 mA max. | | |
| | | 50 | RS-485 | | |
| | | 70 | RS-232C | | |
| | | 0 | Without | | |
| SENSOR DC POWER SUPPLY (OPTION) | | 1 | With 24 V DC 50 mA | | |
| REMARKS | | | 0 Without | | |
| | | | 9 With | | |

| Input Type | | Code | Measuring range | | | | | |
|-----------------|--------------------------|---------------|-----------------|--------|--------------|----------|-------------------|--------------------|
| Thermocouple | B | 01 | *1 | 0.0 | - 1800.0 | °C | 0 - 3300 °F | |
| | R | 02 | | 0.0 | - 1700.0 | °C | 0 - 3100 °F | |
| | S | 03 | | 0.0 | - 1700.0 | °C | 0 - 3100 °F | |
| | K | 04 | | -100.0 | - 400.0 | °C | -150.0 - 750.0 °F | |
| | | 05 | | 0.0 | - 400.0 | °C | 0.0 - 750.0 °F | |
| | | 06 | | 0.0 | - 800.0 | °C | 0.0 - 1500.0 °F | |
| | | 07 | | 0.0 | - 1370.0 | °C | 0.0 - 2500.0 °F | |
| | | 08 | *2 | -200.0 | - 200.0 | °C | -300.0 - 400.0 °F | |
| | | E | 09 | | 0.0 | - 700.0 | °C | 0.0 - 1300.0 °F |
| | J | 10 | | 0.0 | - 600.0 | °C | 0.0 - 1100.0 °F | |
| | T | 11 | *2 | -200.0 | - 200.0 | °C | -300.0 - 400.0 °F | |
| | N | 12 | | 0.0 | - 1300.0 | °C | 0.0 - 2300.0 °F | |
| | PLII | 13 | | 0.0 | - 1300.0 | °C | 0.0 - 2300.0 °F | |
| | PR40-20 | 14 | *3 | 0.0 | - 1800.0 | °C | 0 - 3300 °F | |
| | WRe5-26 | 15 | | 0.0 | - 2300.0 | °C | 0 - 4200 °F | |
| | U | 16 | | -200.0 | - 200.0 | °C | -300.0 - 400.0 °F | |
| | L | 17 | | 0.0 | - 600.0 | °C | 0.0 - 1100.0 °F | |
| | K | 18 | *4 | | 10.0 - 350.0 | K | | |
| | AuFe-Cr | 19 | *5 | | 0.0 - 350.0 | K | | |
| Universal-input | R.T.D. ARTICLE INPUTS | Pt | JPt | | | | | |
| | | 31 | | *6 | -200.0 | - 600.0 | °C | -300.0 - 1100.0 °F |
| | | | 45 | *7 | -200.0 | - 500.0 | °C | -300.0 - 900.0 °F |
| | | 32 | 46 | | -100.00 | - 100.00 | °C | -150.0 - 200.0 °F |
| | | 33 | 47 | | -100.0 | - 300.0 | °C | -150.0 - 600.0 °F |
| | | 34 | 48 | | -60.00 | - 40.00 | °C | -80.00 - 100.00 °F |
| | | 35 | 49 | | -50.00 | - 50.00 | °C | -60.00 - 120.00 °F |
| | | 36 | 50 | | -40.00 | - 60.00 | °C | -40.00 - 140.00 °F |
| | | 37 | 51 | | -20.00 | - 80.00 | °C | 0.00 - 180.00 °F |
| | | 38 | 52 | *8 | 0.000 | - 30.000 | °C | 0.00 - 80.00 °F |
| | | 39 | 53 | | 0.00 | - 50.00 | °C | 0.00 - 120.00 °F |
| | | 40 | 54 | | 0.00 | - 100.00 | °C | 0.00 - 200.00 °F |
| | | 41 | 55 | | 0.00 | - 200.00 | °C | 0.0 - 400.0 °F |
| | | 42 | 56 | *9 | 0.00 | - 300.00 | °C | 0.0 - 600.0 °F |
| | | 43 | 57 | | 0.0 | - 300.0 | °C | 0.0 - 600.0 °F |
| | | 44 | 58 | | 0.0 | - 500.0 | °C | 0.0 - 900.0 °F |
| | Voltage (mV) | -10 - 10 mV | 71 | | | | | |
| | | 0 - 10 mV | 72 | | | | | |
| | | 0 - 20 mV | 73 | | | | | |
| | | 0 - 50 mV | 74 | | | | | |
| | | 10 - 50 mV | 75 | | | | | |
| | | 0 - 100 mV | 76 | | | | | |
| | | -100 - 100 mV | 77 | | | | | |
| Voltage (V) | | -1 - 1 V | 81 | | | | | |
| | | 0 - 1 V | 82 | | | | | |
| | | 0 - 2 V | 83 | | | | | |
| | | 0 - 5 V | 84 | | | | | |
| | | 1 - 5 V | 85 | | | | | |
| | | 0 - 10 V | 86 | | | | | |
| | | -10 - 10 V | 87 | | | | | |
| | | 0 - 20 mA | 94 | | | | | |
| | | 4 - 20 mA | 95 | | | | | |

Thermocouple

*1. Accuracy guarantee not applicable to 400 °C or below

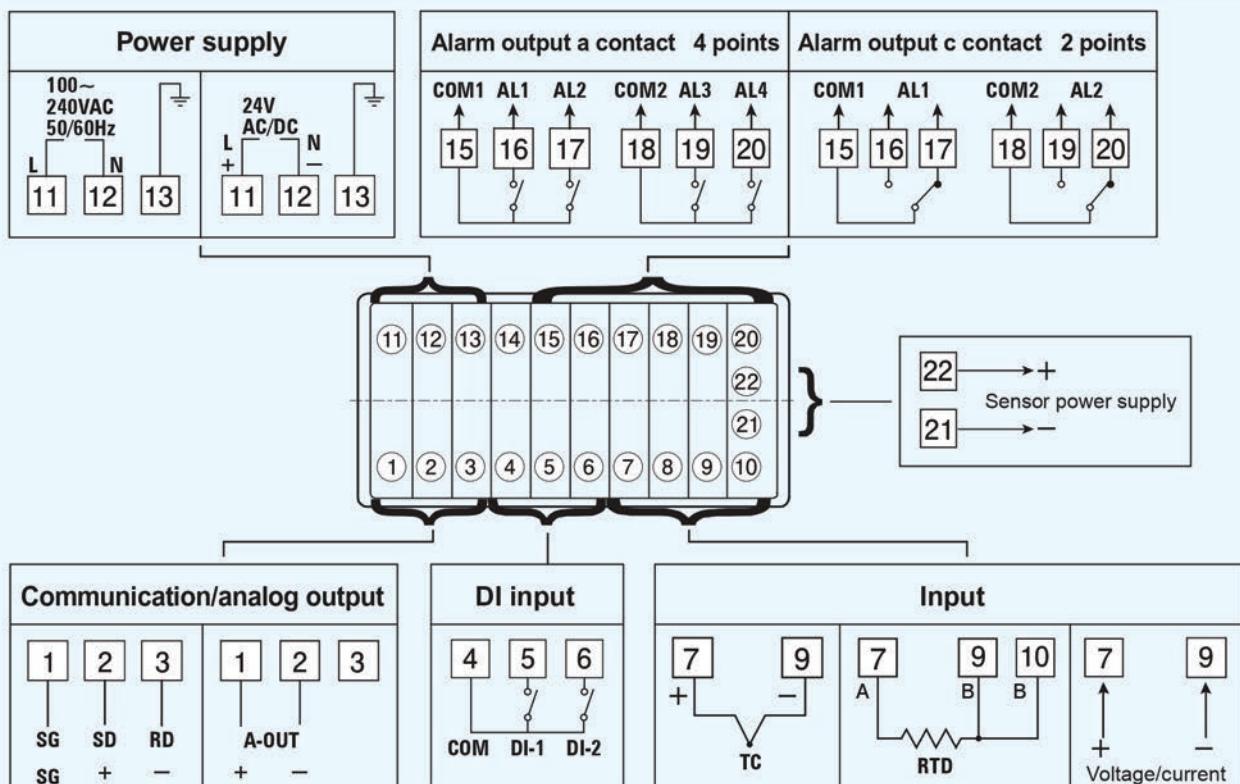
*2. -100 °C or below: Accuracy $\pm(0.5\% \text{ FS} + 1 \text{ digit})$ *3. Accuracy $\pm(0.3\% \text{ FS} + 1 \text{ digit})$ *4. Accuracy 10.0 - 30.0 K $\pm(0.75\% \text{ FS} + 1 \text{ digit})$ 30.0 - 70.0 K $\pm(0.30\% \text{ FS} + 1 \text{ digit})$ 70.0 - 350.0 K $\pm(0.25\% \text{ FS} + 1 \text{ digit})$ *5. Accuracy $\pm(0.25\% \text{ FS} + 1 \text{ digit})$ R.T.D.

*6. Measured value display range: -240.0 - 680 °C

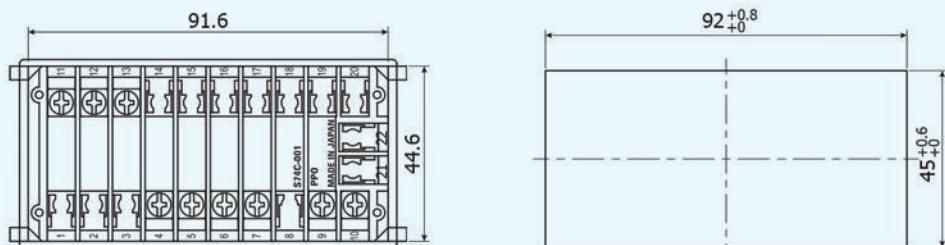
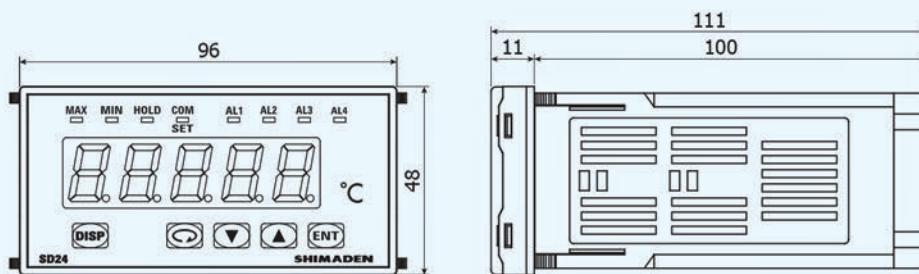
*7. Measured value display range: -240.0 - 570 °C

*8. Scaleover is displayed for over 32.000.

*9. Scaleover is displayed for over 320.00.



EXTERNAL DIMENTIONS/PANEL CUTOUT



Size of mounting hole

Unit: mm

KR16A SERIES Rotary type 6points selector switch

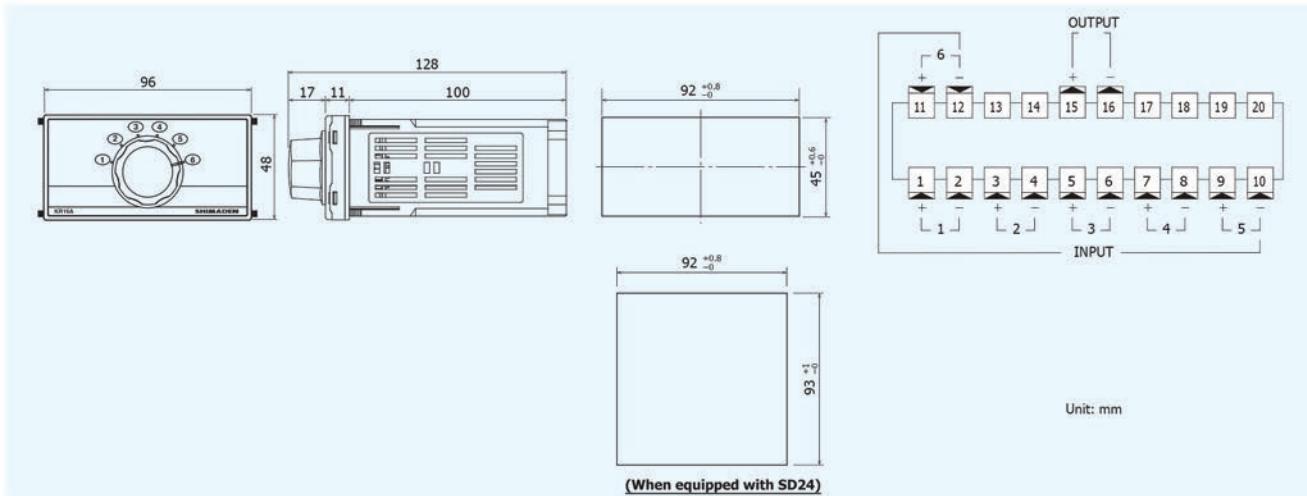
SPECIFICATIONS

| | | |
|----------------------------|---|--|
| ♦ No of switching points | : 6 | ♦ Ambient temperature/humidity : -10~50 °C / 90% RH maximum range conditions for operation (no dew condensation) |
| ♦ No of switching circuits | : 2 | ♦ Material : Resin molding |
| ♦ Switching operation | : Rotary switching | ♦ Color |
| ♦ Applicable signal | : Thermocouples, voltage (R.T.D. not applicable) | Front and case : Mansel value N1 equivalent |
| ♦ Contact rating | | ♦ External dimensions : H48 x W96 x D118mm (in panel 100 mm) |
| Contact method | : Slide type | ♦ Panel cutout : H45 x W92 mm |
| Voltage | : 30V DC Maximum | ♦ Mounting : Flush in panel (snap-in) |
| Current | : 100mA DC maximum | ♦ Panel thickness : 1~4 mm |
| Contact resistance | : 300mΩ maximum | ♦ Weight : Approx. 250g |

ORDERING INFORMATION

| ITEM | CODE | SPECIFICATIONS |
|---------|--------|-------------------------------------|
| SERIES | KR16A- | Rotary type 6points selector switch |
| REMARKS | 0 | Without |
| | 9 | With |

TERMINAL ARRANGEMENT AND EXTERNAL DIMENTIONS/PANEL CUTOUT



* The SD24 & KR16A series is designed for the control of temperature, humidity and other physical values of general industrial equipment. (It is not to be used for any purpose which regulates the prevention of serious effects on human life or safety.)



* If the possibility of loss or damage to your system or property as a result of failure of any part of the process exists, proper safety measures must be made before the instrument is put into use so as to prevent the occurrence of trouble.

Head Office & Saitama Factory
ISO 9001/ISO 14001 Certification Obtained

(The contents of this brochure are subject to change without notice.)

Temperature and Humidity Control Specialists

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