

INSTRUCTION MANUAL

This manual primarily describes precautions required in installing and wiring the temperature controller. When using the temperature controller, please refer to the pertinent catalog for detailed information.

■ MAIN PRODUCTS

- DIGITAL: Temperature controller,
Counter/timer,
Tachometer/Panel Meter
- SENSOR: Proximity Switch/Photo Electric Sensor,
Rotary Encoder/Optical Fider Sensor,
- ANALOG: Timer/Temperature Controller

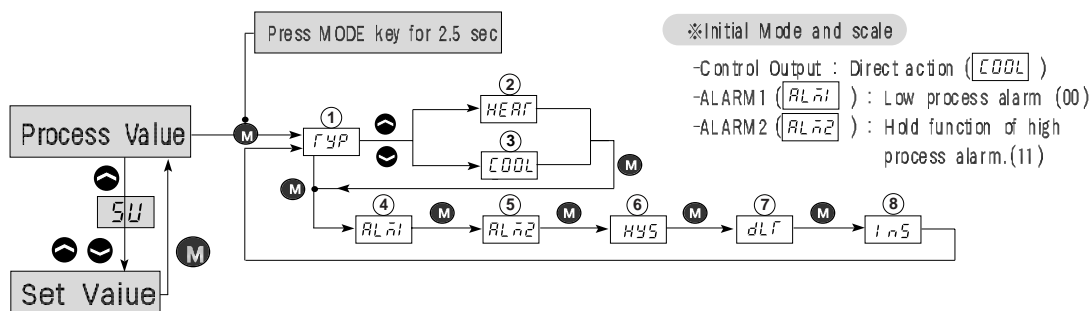


1. MODEL AND SUFFIX CODE

Model	Suffix Code	Description
RS6		RS6 (DIN 72X36mm)
Input	K D N	K (CA) (-50.0~199.9℃) KS Pt100.Ω (-199.9~199.9℃) NTC (-40.0~80℃)

2. SET MODE

2-1. PARAMETER



2-2. PARAMETER DESCRIPTION

- | | |
|---|---|
| ① fyp — Type select mode(TYPE): HEATING AND COOLING | ⑤ RLH2 — (ALARM-2)
(▼Refer to alarm mode) |
| ② HEAT — Heating output(HEAT) | ⑥ HYS — Hysteresis(in ON/OFF action) |
| ③ COOL — Cooling output(COOL) | ⑦ dLF — Output delay set mode (Setting range: 0~9M) |
| ④ RLH1 — (ALARM-1)
(▼Refer to alarm mode) | ⑧ InS — Process value correction mode (Setting range: -9.9 ~ +9.9℃) |

2-3 SETTING

(1) Heating / Cooling select (HEAT / COOL) : Initial setting COOL

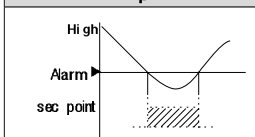
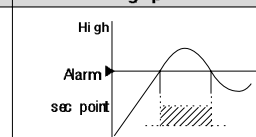
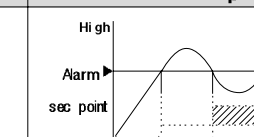
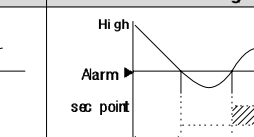
Press **M** continuously for 2.5 sec to display the type select mode fyp. Pressing **▲** or **▼** to select HEAT or COOL.



(2) Selection of alarm and setting of alarm temperature (RLH1 and RLH2 setting)

Press **M** continuously for 2.5 sec to display the fyp.
 And then press **M** until getting RLH1. Pressing **▲** or **▼** to select alarm mode.
 Press **M** to set alarm temperature.

▼ SELECTION OF ALARM MODE

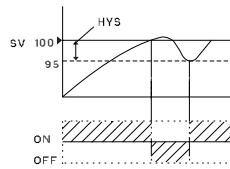
00 : Low process alarm	01 : High process alarm	10 : Hold function of low process alarm	11 : Hold function of high process alarm
 <p>ON</p>	 <p>ON</p>	 <p>HOLD ON</p>	 <p>HOLD ON</p>

※ALARM2 Setting is the same as ALARM1.

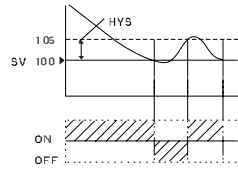
(3) HYSTERESS (ON-OFF width setting) (**HYS**)

Press **M** continuously for 2.5 sec to display **FYP**.
 And then press **M** until getting **HYS**.
 Pressing **▲** or **▼** to set ON-OFF width.

ex1) When **FYP** is **HEAT**
SV : 100℃, **HYS** : 5℃

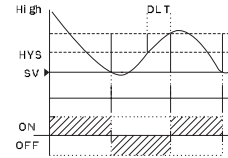


ex2) When **FYP** is **COOL**
SV : 100℃, **HYS** : 5℃



(4) Output delay set (**DLT**)

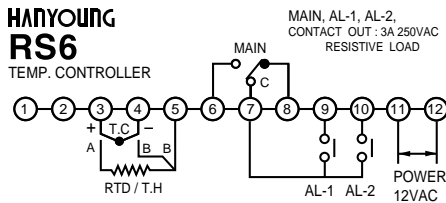
Press **M** continuously for 2.5 sec to display **FYP**.
 And then press **M** until getting **DLT**.
 Pressing **▲** or **▼** to set time of output delay.



(5) Temperature correction (**tn5**)

Press **M** continuously for 2.5 sec to display **FYP**.
 And then press **M** until getting **tn5**. Pressing **▲** or **▼** to set deviation temperature.
 ※In setting if you stop more than 20 sec, you could see process value automatically.
 ※In setting if you press **M** for 2.5 sec, you could see process value in any parameters.

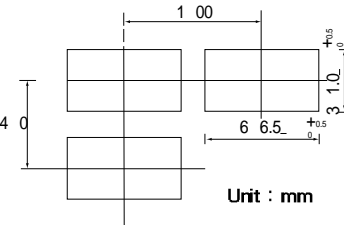
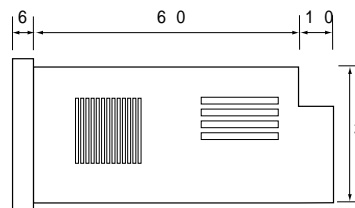
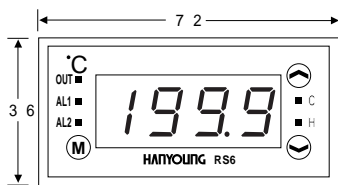
2-4. Connection



2-5. DIMENSION / PANEL CUTOUT

▼ PANEL CUTOUT

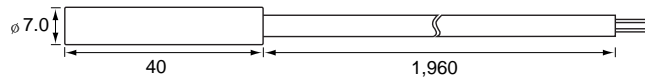
(1) Model: **RS6**



Unit : mm

(2) Sensor (TH)

- Sensor(TH) is only for RS6.
- Ambient temperature : -40 ~ +80℃



Unit : mm

※CAUTIONS

- ① Please wire an input signal line at a distance from power line and load line to avoid a noise.
- ② Please wire power
 - ②-1. Wire the power of instrument closely.
 - ②-2. Attach a filter to panel which has a ground connection.
 - ②-3. Do not attach a fuse or switch to output side of noise filter.
- ③ Please avoid using at the place exposing the controller to water, oil, corrosive gas, vibration, shine and heavy shock.