5-2 Pipe temperature controller GPC-1100

Summary

- GPC-1100 is for controlling temperature of pipe and tank as proportional temp. controller
- Operation power : 24VAC, 24VDC
- Heating and cooling switching
- PT1000Ω installed as temperature sensor
- Output signal to control : 0 ~ 10VDC

Function

- Heating : Valve opens in case that tank temp. is lower than set-value with dial-knob on heating
- Cooling : Valve opens in case that tank temp. is higher than set-value with dial-knob on cooling

Technical features

· Power supply : 24VAC/DC ±15%
· Consumption power : 0.5VA
· Out-put control : 0 ~ 10VDC
· Ambient Temp. and humidity
1) operation : -15 ~ 70°C and below 95%RH
2) in transit : -15 ~ 80°C and below 95%RH
· Frequency : 50 or 60Hz
· Range of control : 20~110°C(0~50°C upon request)
· Temp. sensor : PT1000Ω installed
· Housing : IP54
· Weight : 0.5kg

Technical design

· Proportional controlling. Transmitting proportional control-signal estimating variances by comparing room temp. of sensor and adjusted set-value(control-signal range : 0 ~ 10VDC)
· Variances to control changes from 0 to 100% by control-signal, which means that variances to control is proportionally co-relevant to control-signal.

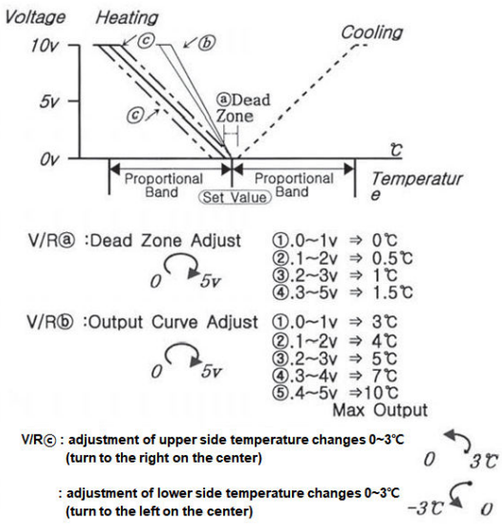
Setting

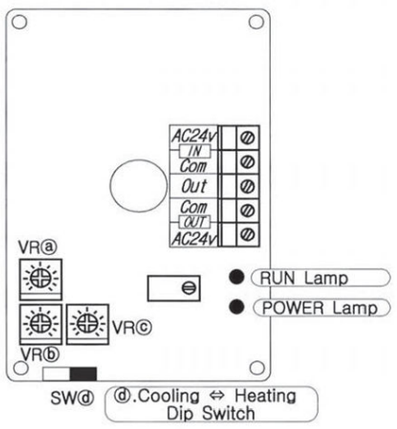
· Heating&Cooling switching is installed.
· Setting the required temp. by dial-knob on the front of duct temp. controller.

Mounting notes

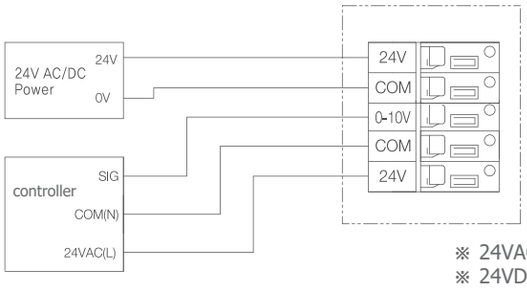
· Use drill bar for nominal pressure 6Kgf/㎠
· Install thermowell at the elbow of pipe against flowing

Adjusting





Wiring diagram



※ 24VAC and 24VAC, COM. and COM. : connected inside
※ 24VDC power available with 24VDC controller

Shape dimension