



## 5-3

### Duct temperature controller GDC-1100



#### Summary

- GDC-1100 is for controlling temperature of duct in HVAC 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 duct temp. is lower than set-value with dial-knob on heating
- Cooling : Valve opens in case that duct temp. is higher than set-value with dial-knob on cooling

#### Technical features

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

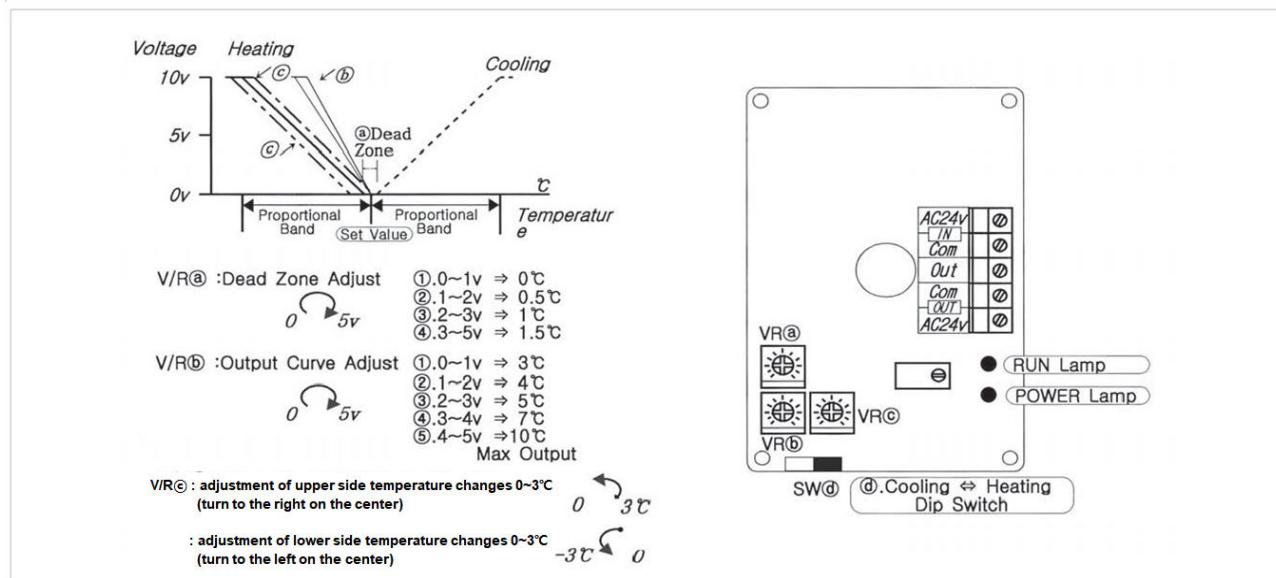
#### Technical design

- 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.

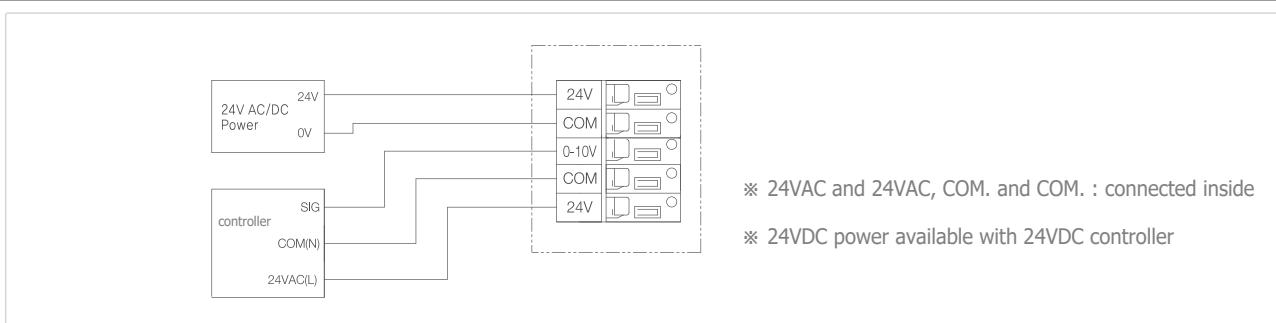
#### Settings

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

### Adjusting



### Wiring diagram



### Shape dimension

