DUCT TEMPERATURE CONTROLLER (GDC-1100)

Description

- "GDC" Proportional Duct Temperature Controller is intended to control Duct temperature steadily.
- Operating Voltage : AC24V
- Heating and Cooling exchanging function
- Built-in temperature transmitter method(Pt1000)
- Control Output Signal : 0~10V DC
- Functions :
- - Heating : when the switch is at heating point, valve is to open in case of duct Temperature is lower than setting point.
  - Cooling : When the switch is at cooling point, valve is to open of duct temperature is high than setting point.

Technical Data

- SUPPLY VOLTAGE : 24V AC ±20%
- FREQUENCY : 50 or 60Hz
- POWER CONSUMPTION : 0.5VA
- CONTROL RANGE : 0~50℃
- CONTROL SIGNAL : 0~10 VDC.
- SENSING ELEMENT : Pt1000Ω
- AMBENT TEMP & HUMI :
  - 1) On Operation : at -15~+70℃ below 95% Rh
  - 2) On Transportation : at -15~+80℃ below 95% Rh
- PROTECTION CLASS : IP54
- WEIGHT : 0.5Kg(W/BRACKET)

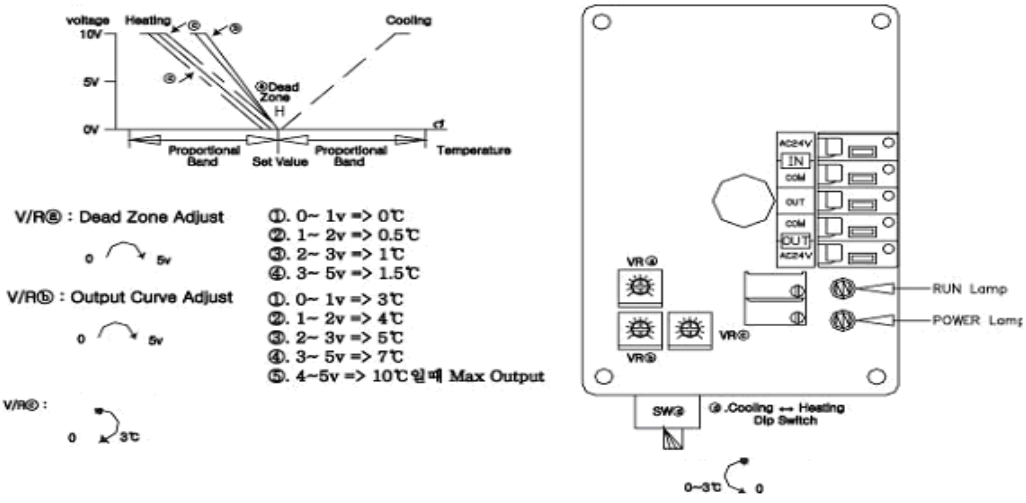
Technical Design

- This unit is designed for P-control.
  Based on the differences between detected temperature and pre-set point, this controller gives out put signal within 0~10V DC
- A variable is from 0 to 100%
- A variable is to control signal means mutual-proportion relation.

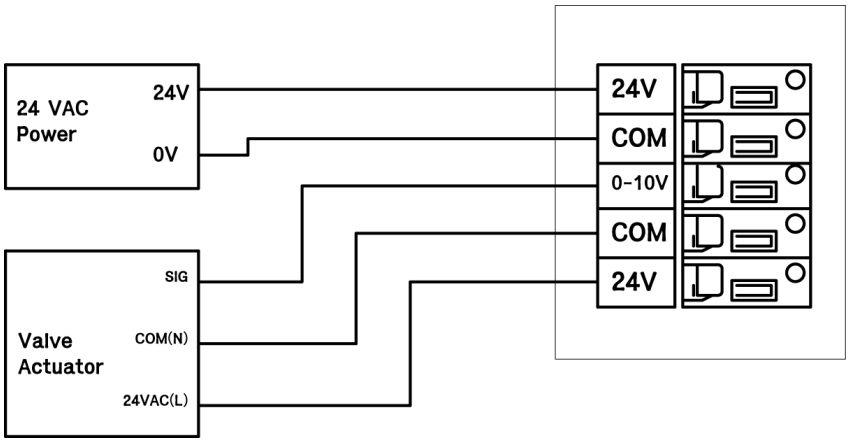
Adjustments

- Mode transition switch is built in for heating and air-conditioning.
  Desired Temperature can be set by turning the rotary knob located at the front of the controller.

Temperature Controller Adjust



Wiring Diagram



AC24V and AC 24V, GND and GND - inside PCB common

Dimension