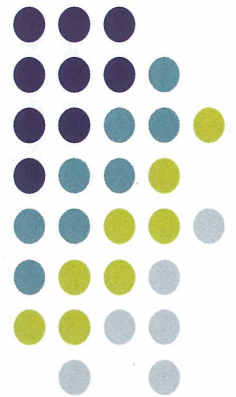


# DDS AI CONTROL



**AI-T-250**

Overheat cutout with manual reset

AI thermo control

Numerical display

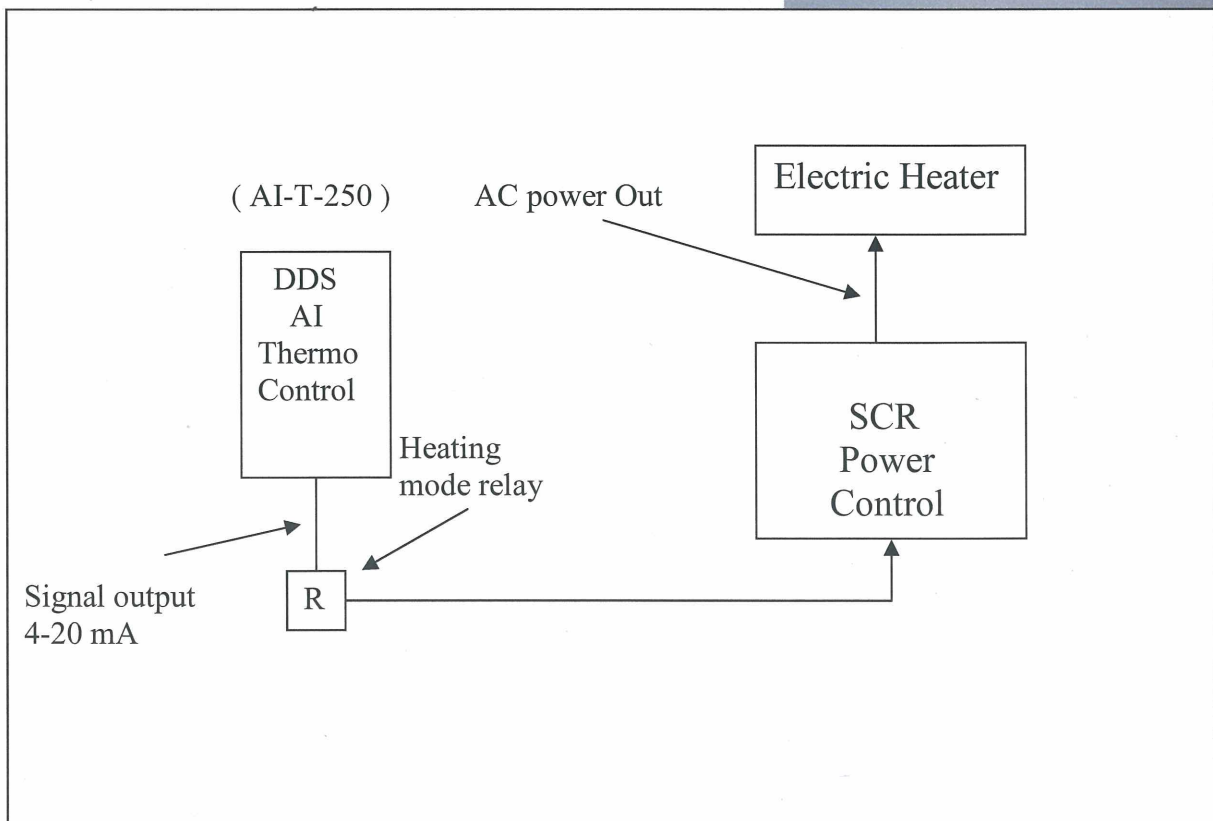
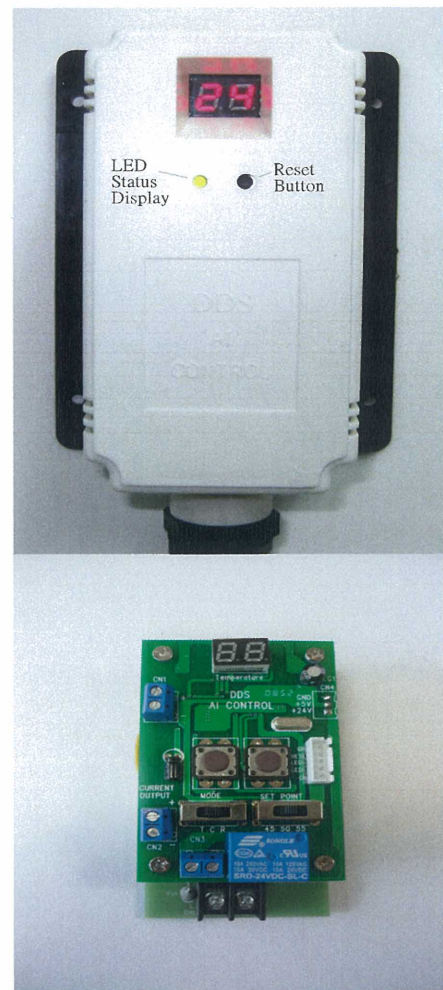
## DDS AI THERMO CONTROL

provides comfortable heating for fan coil units and air handlers. The fuzzy logic electric heating system is developed by DELTA DUCT SYSTEMS LIMITED based on years of experience in the duct heater market and have CE approval.

Features .

1. Overheat cutout with manual reset
2. Three select of overheat Temperature setup( 45°C , 50°C , 55°C )
3. LED status display
4. AI thermo control
5. 4-20 mA signal output
6. Normal open output
7. Numerical display
8. Status memory

Circuit drawing



The AI thermo controller ( **MODEL : AI-T-250** ) Is factory preset a **HI LIMIT** temperature to 40°C discharge air temperature. The temperature sensor inside the air duct feeds back the signal to the controller and it will adjust the output of heater to raise or lower the temperature to match set point.

### FACTORY PRESET

The AI thermo controller is factory preset a **OVERHEAT** Cutoff temperature at 50°C

The AI thermo control is factory preset a **HI LIMIT** temperature at 40°C

The AI thermo controller is factory preset a **LEVEL** at Level 2

The AI thermo controller is factory preset a **OUTPUT MODE** at 4-20 mA current mode

**DDS AI THERMO CONTROL** provides Three level select .

The output % is base on 4-20mA to SCR power control system

| TEMP<br>OUTPUT | HI<br>LIMIT | HL -1°C | HL-2°C | HL-3°C | HL-4°C | HL-5°C | HL-6°C | HL-7°C |
|----------------|-------------|---------|--------|--------|--------|--------|--------|--------|
| LEVEL 1        | 0%          | 10%     | 25%    | 40%    | 55%    | 70%    | 85%    | 100%   |
| LEVEL 2        | 0%          | 20%     | 40%    | 60%    | 80%    | 100%   |        |        |
| LEVEL 3        | 0%          | 25%     | 50%    | 75%    | 100%   |        |        |        |