



ZTC8800



Power Unit

The ZTC8800 digital thermostat uses the latest state of the art MCU technology for maximum functions in the smallest package. They are reliable, easy to operate with push buttons and an easy to read LCD display. Night set back and unoccupied mode make it suitable for energy efficient installations.

- Microprocessor based
- Digital LCD display, EL backlight
- Daily 24 hours timer
- NTC thermistor sensor - internal or external
- Slim design for flush mounting
- Hotel key card interface for energy saving

Thermostat Function Keys

Front buttons

- Power on/off
- Increase set point temp
- Decrease set point temp
- Select heating or cooling
- Auto, Low, Medium, High

Parameter adjustment - Press the and the button together for 3 secs to enter adjustment mode.

Adjustment mode

- 1- Temperature sensor off-set. -9 to +9
- 2- Unoccupied mode add-on temperature. 3°C to 8°C
- 3- Cool/Heat; Cool only; Heat only selections.
- 4- P-Band setting. 4,6,8 & 10K (PI model only)
- 5- I-Time setting. 1 to 59 minutes (PI model only)

Technical Data

Supply voltage	230/24 VAC 50/60 Hz ±10%
Power consumption	1.5 W
Ambient temperature	0 to 55°C
Storage temperature	-10 to 60°C
Ambient humidity	Max 85% RH
Protection class	IP20
Housing	ABS + UL94-5 VA fire retardant plastic

Inputs

Sensor type Thermistor (NTC) 10K at 25°C, +/- 0.5°C

Outputs

Valve output on/off, 3-point floating, 0-10 Vdc
Fan output 230 VAC, 400 Watts

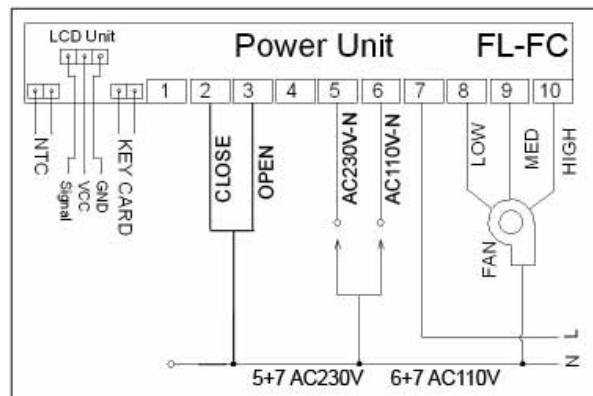
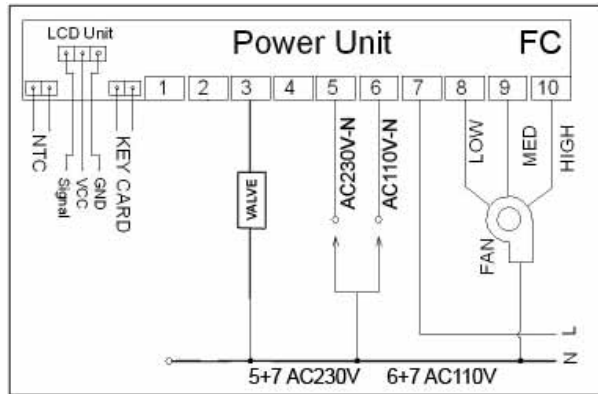
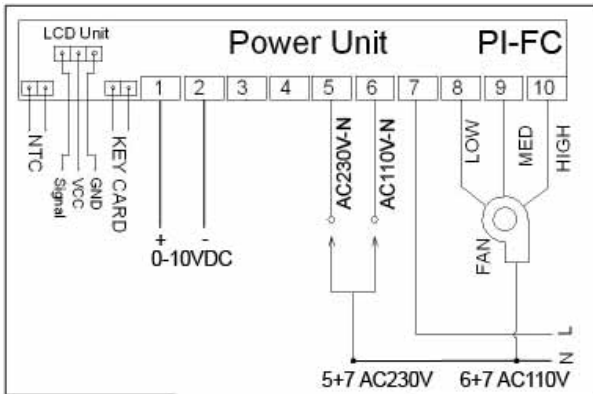
Setting

Setpoint 0 to 50 °C
Default setpoint 23 °C

Model

ZTC8800PI-FC	Wall Mounted Temperature Controller, 0-10Vdc
ZTC8800-FC	Wall Mounted On/Off Thermostat
ZTC8800FL-FC	Wall Mounted Floating 3-point Controller

Wiring Diagram



Installation



The power unit is installed into the FCU electrical box and wired to the power supply, fan terminals and valve actuator



The LCD unit is separated from the back plate with the use of a small screw driver



Twist the screw driver slightly to allow the LCD unit to be lifted off the back plate



The back plate is then mounted to the electrical box using the 2 screws provided



Plug the cable assembly from the power unit into the LCD unit ensuring correct alignment and no twisting



The LCD unit is then snapped back into the back plate aligning the catch with the hooks on the unit