



ZRC6600



Power Unit

The ZRC6600 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 with EL backlighting
- Daily 24 hours timer
- NTC thermistor sensor - internal or external
- Large LCD display with swing door
- Hotel key card interface for energy saving

Thermostat Function Keys

Front buttons	<p>⏻ Power on/off</p> <p>▲ Increase set point temp</p> <p>▼ Decrease set point temp</p>	<p>Parameter adjustment - Press the Mode & Fan Speed buttons for 3 secs to enter adjustment mode.</p>
Concealed buttons	<p>Mode : Select heating or cooling</p> <p>Fan Speed : Auto, Low, Medium, High</p> <p>Menu : Select timer mode</p>	<p>Adjustment mode</p> <p>1- Temperature sensor off-set. -9 to +9</p> <p>2- Unoccupied mode add-on temperature. 3°C to 8°C</p> <p>3- Cool/Heat; Cool only; Heat only selections.</p> <p>4- P-Band setting. 4,6,8 & 10K (PI model only)</p> <p>5- I-Time setting. 1 to 59 minutes (PI model only)</p>

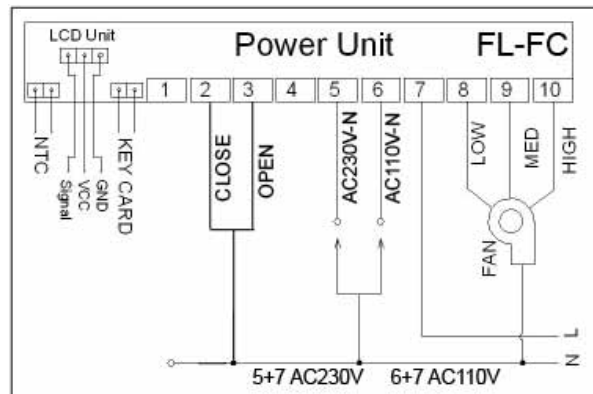
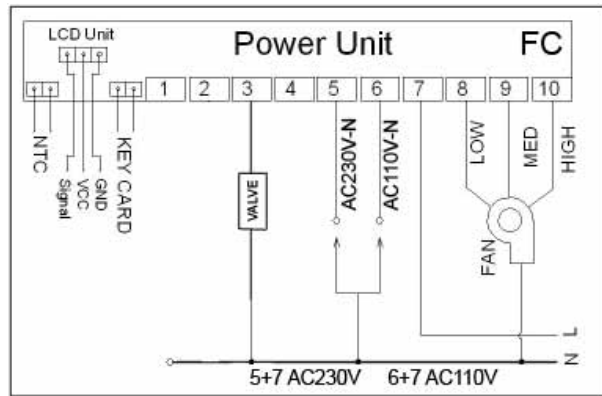
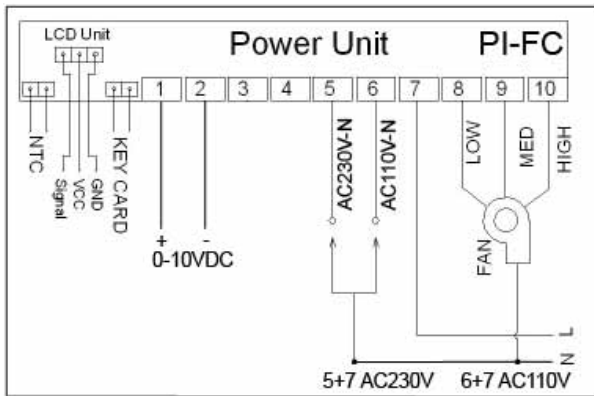
Technical Data

Supply voltage	230/24 VAC 50/60 Hz ±10%	Inputs	
Power consumption	1.5 W	Sensor type	Thermistor (NTC) 10K at 25°C, +/- 0.5°C
Ambient temperature	0 to 55°C	Outputs	
Storage temperature	-10 to 60°C	Valve output	On/Off, 3-point floating, 0-10 Vdc
Ambient humidity	Max 85% RH	Fan output	230 VAC, 400 Watts
Protection class	IP20	Setting	
Housing	ABS + UL94-5 VA fire retardant plastic	Setpoint	0 to 50 °C
		Default setpoint	23 °C

Model

ZRC6600PI-FC	Wall Mounted Temperature Controller, 0-10Vdc
ZRC6600-FC	Wall Mounted On/Off Thermostat
ZRC6600FL-FC	Wall Mounted 3-point Controller

Wiring Diagram



Installation Diagram



The power unit is installed into the electrical box and wired to the power supply 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