



For Line Voltage Control of Valves, Relays and Fan Motors in Fan Coil or Heat Pump Units

General

The ET300 Series room thermostats provide on/off control, consistent performance and contemporary styling. The series controls a variety of two-pipe and four-pipe fan coil systems as well as other heating and cooling applications.

ET300 is an electronic thermostat for room mounting which features 10k ohm NTC thermistor temperature sensing element and single relay output. The thermostat can also control the fan speed with three position continuously.

Features

- Attractive contemporary styling
- High quality NTC sensing element
- High quality relay output
- System "OFF" position breaks all circuits
- Fan speed control
- On-site calibration is not necessary
- All slide switches for ease of operation
- Easy wire termination
- Built-in / external sensor
- Customization available

Ordering Instruction

To order, Please specify complete product model number.

Options

Remote sensor:	TE10-1
Duct Type Sensor:	TE10-2
Remote sensor plug:	RSL
LED indicator:	Suffix "L"

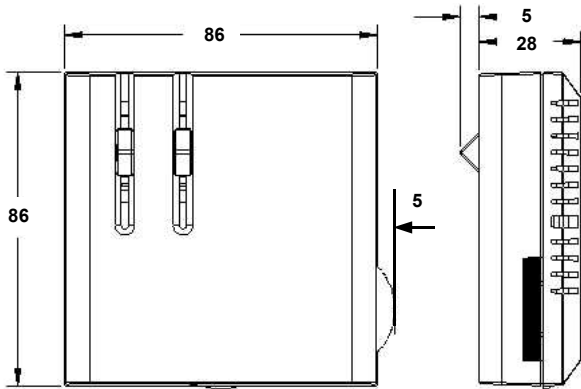


Specification

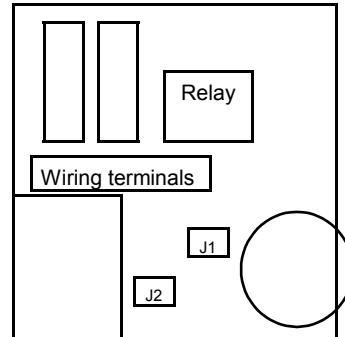
Voltage	220 VAC +/- 10%
Operating Differential Range	Approximately 1K 0...30 °C
Sensing Element	10k ohm NTC
Housing Materials	Self-extinguishing, molded ABS
Electrical Rating	
Relay switches	1 Ampere, 220 VAC 6A resistive, 4A inductive
Ambient Limitation	0...50 °C
Wire connection	Screw-down connection, wire size 1mm ² or 18AWG
Shipping weight	120g

The specification above are normal and conform to generally acceptable industry standard. Cyrus is not responsible for damages resulting from misapplication or misuse of its products.

Dimensions in mm



PCB layout

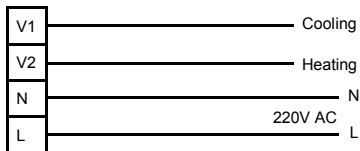


Models

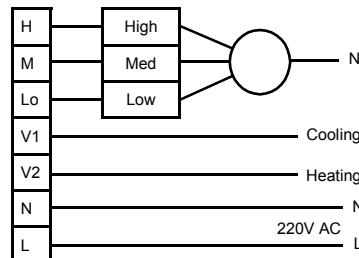
Model	ET310	ET311	ET301	ET302	ET303
On/Off system switch		X	X		
Heat/Off/Cool system switch				X	X
3-speed Fan switch			X	X	X
Remote sensor connection	X	X	X	X	X

Remarks: The thermostat features built-in NTC sensor and the jumper J1 is insert onto the upper two pins, insert J1 head jumper to lower two pins if remote sensor is connected to J2 remote sensor socket.

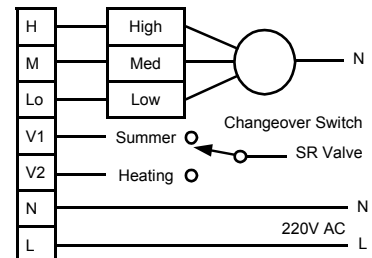
Typical Wiring Diagram



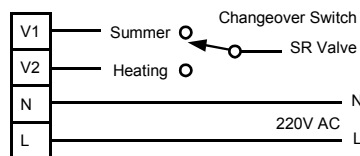
ET310 and ET311
Heating only or Cooling only
2-pipe system



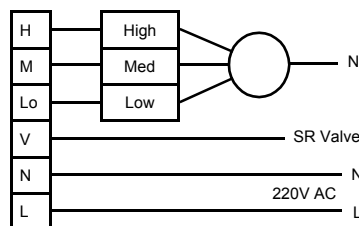
ET301
Heating only or Cooling only
2-pipe system



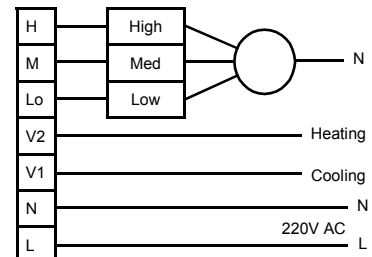
ET301
Heat / Cool 2-pipe System
with automatic changeover



ET310 and ET311
Heat / Cool 2-pipe System
with automatic changeover



ET302
Heat / Cool 2-pipe System



ET303
Heat / Cool 4-pipe System

Remarks: SR Valves = Spring return valve