



ROOM THERMOSTAT ZET300

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

General

The ZET300 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.

ZET300 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.

Option

Remote sensor:	ZTE10-1
Duct Type Sensor:	ZTE10-2
Remote sensor plug:	RSL
LED indicator:	Suffix "L"

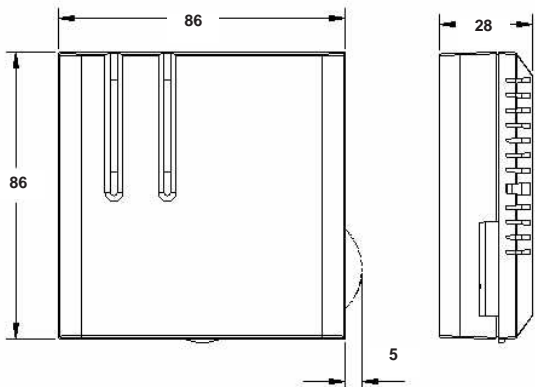


Specifications

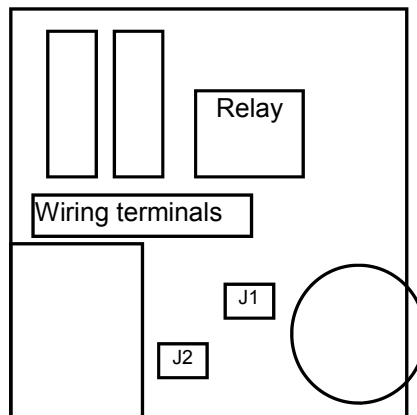
Voltage	220 VAC +/- 10%
Operating Differential	Approximately 1K
Range	0 ... 30°C
Sensing Elements	10k ohm NTC
Housing Materials	Self-extinguishing, molded ABS
Electrical Rating	
Relay	1 Ampere, 220 VAC
Switches	6A resistive, 4A inductive
Ambient Limitations	0 ... 50°C
Wire Connection	Screw-down connection,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

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

Dimensions in mm



PCB layout

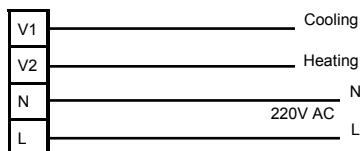


Models

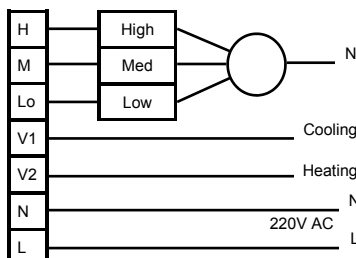
Model	ZET310	ZET311	ZET314	ZET301	ZET302	ZET303	ZET304
On/Off system switch		X	X	X			X
Heat/Off/Cool system switch					X	X	
3-speed Fan switch				X	X	X	X
Remote sensor connection	X	X	X	X	X	X	X

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.

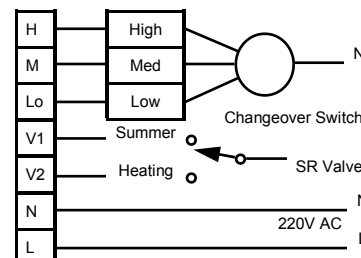
Typical Wiring Diagram



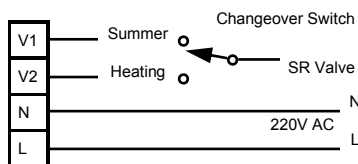
ZET310, ZET311 and ZET314 Heating only or Cooling only 2-pipe system



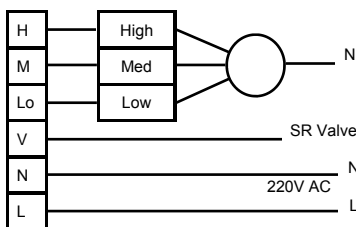
ZET301 Heating only or Cooling only 2-pipe system



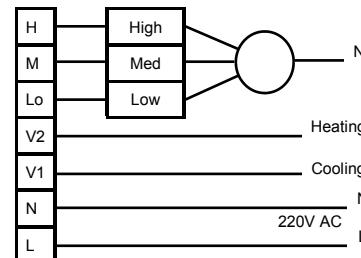
ZET301 Heat / Cool 2-pipe System with automatic changeover



ZET310 and ZET311 Heat / Cool 2-pipe System with automatic changeover



ZET302 Heat / Cool 2-pipe System



ZET303 / ZET304 Heat / Cool 4-pipe System

Remarks: SR Valves = Spring return valve
 ZET304 and ZET314 can be used as a 3-wire floating control device with 1K dead zone for 2-pipe system. The thermostat outputs V1 and V2 are designated to open and close respectively.