

The **WindVent** terminal units can be supplied with a number of design control solutions from its extensive ZT range. From a simple dedicated room controller to a multi zone, multi terminal system with inter-communications.

The ZT range falls into .... Types

**ZT-1** Basic one to one controller range

**ZT- M** Multi zone and / or multi terminal range

**ZT- IC** Multi zone and multi terminal with full inter-communications range

## ZT- 1 Controller range

These units are available in either 24Vac or 240Vac supply versions with either 4 or 8 simultaneous two position actuator control (*open/close*).

### ZT-1.1 Manual Unit

This unit is a flush mounted manual switch which will open or close the terminal actuators at the operator's demand.



### ZT-1.2 Room Thermostat

This unit is a surface mounted thermostat which will automatically open or close the terminal actuators to the desired room temperature.



### ZT-1.3 Room Thermostat with night cooling

This unit is a surface mounted thermostat which will automatically open or close the terminal actuators to the desired room temperature. During the night period the system will switch to night cooling.



### ZT-1.4 Modulating Room temperature controller with display

This unit is a surface mounted Room temperature controller which will automatically modulate the terminal actuators to maintain desired room temperature.

### ZT-1.4T Modulating Room temperature controller with display and night Cooling

This unit is a surface mounted Room temperature controller which will automatically modulate the terminal actuators to maintain desired room temperature. During the night period the system will switch to night cooling mode.

## **ZT- M** Multi zone and / or multi terminal range

These units are available in either 24Vac or 240Vac supply versions with either 4 or 8 simultaneous modulating actuator control.

## **ZT-M1** Zone controller with display

This unit is a surface mounted room temperature controller with digital display which will automatically modulate the terminal actuators to maintain desired room temperature. It can be linked to a number of terminal units serving the same zone and can have a number of additional functions added such as the ZT-M2 zone override unit (with or without night cooling) or be connected to the ZT-M3 Master zone controller.

## **ZT-M2** Zone override unit with optional night cooling

This unit works in-conjunction with the above ZT-M1 Zone controller units and has a three position selector switch (*Auto/open/closed*). In the auto position the actuators will operate at the dictates of the respective zone controller, in the open position the actuators are driven fully open and in the closed position the actuators are driven fully closed. Optional timed cooling can be provided with this unit.

## **ZT-M3** Master Zone controller unit with time program and night cooling

This unit works in conjunction with the above ZT-M1 Zone controller units as a master zone override and has a three position selector switch (*Auto/open/closed*) which will control all zone controllers connected to it. In the auto position all actuators will operate at the dictates of the respective zone controllers, in the open position all the actuators are driven fully open and in the closed position all the actuators are driven fully closed. Timed cooling is a standard function of this unit.

Selectable "Fire Alarm" activation damper position control, allowing the dampers to be closed in the event of a fire alarm. The system also has a number of additional inputs to allow for inter-locking with background heating or cooling systems.

## **ZT-M4** Combined Multi zone controller and Zone override, with time program and night cooling

This unit combines three zone controllers and zone override, including time program control and night cooling in one unit. Each zone can drive upto four actuators, each zone can have upto two sensors per zone (either two temperature or one temperature and either humidity, CO2 or air quality). The system has two further inputs for common system wind and rain sensors.

Selectable "Fire Alarm" activation damper position control, allowing the dampers to be closed in the event of a fire alarm. The system also has a number of additional inputs to allow for inter-locking with background heating or cooling systems.

## **ZT-MJB** Zone controller junction box (single zone / multi terminal)

This junction box is used to connect multi actuators on a common terminal unit. (Upto four actuators)

## ZT-IC

Multi zone and multi terminal with full inter-communications range

This range is a fully flexible inter-communication system of controllers and sensors which can be applied to any multi zone application and scheme.

The controllers are based on the latest multi loop technology with zones being, for example, inter-linked so that at the touch of a button, enabling folding walls to be removed and the common area created acting as one zone.

Common wind and rain sensors controlling the whole scheme, area occupancy activation, modulating night cooling based on temperature of both the inside and outside temperatures.

Optional central computer monitoring and control via dedicated graphic display with the ability from the central to instigate overrides, time programmes and timetable changes. Automatic Summer / Winter change over and the ability to dial into the system to carry out diagnostics and change parameters.

Each system is designed to your requirements and can be easily added to in the future, ready for any expansion on your site.

