

VV-DD-01 Controller Unit - with Display

The new **Windvent** range of natural ventilation controller offers the flexibility to provide temperature, humidity, air quality and CO² control of a single or multiple terminal / zone application. With its touch pads and clear digital display, the operator can display the actual sensor readings and set-points along with the terminal damper % open position from the actuators direct feedback signal.

Minimum trickle ventilation settings, override functions and night cooling modes can all be set on the unit during the commissioning stage of the installation or at a later date should the client's requirements change. These settings are password protected via a four level access code system.

The controllers can be linked via a simple time period programmer incorporating a common fire alarm override signal or the system can be further advanced by linking them onto a local network with a master controller touch screen. Connection with other BMS systems is possible via a communications card which will carry the protocol of the host LAN / BMS network.



VV-EM-01 & +C Expansion Module

The VV-DD-01 controller unit has the facility to accept an expansion module which increases the number of input and output points.

The VV-EM-01+C module has the same input / output points as the VV-EM-01 with the addition of a master / slave communication port.



Master Time Period Programmer (Simple)

The VV-TP-01 Master Time Programmer is designed to provide a common junction point to enable a master time programme to be relayed to up to eight (8) remote controllers, offering upto 16 zones if each room controller is used as a twin zone controller.

The unit also has a common FIRE ALARM input which is again relayed to all units as well as a master key-switch override which provides the operator with the ability to drive all the dampers open (for a common purge) or all dampers closed. It also enables the system to be placed in auto, under the dictates of the time switches.

Two time switches can be fitted. One is the master 7 day time occupation period programmer and this places the controllers connected to it in to a day time occupation mode, under local temperature / CO² control and local override features.



VV-TPEM-01 Expansion Module

The VV-TP-01 Master Time Programmer has the facility to accept an expansion module which allows for the addition of a common outside air temperature sensor and/or a wind / rain sensor to be connected to the system.

VV-PP-xx-SW Power Pack Module

The VV-PP-xx-SW power pack module comes in three VA ratings 20 / 30 or 50VA and is used with the VV-DD-01 controller to boost the number of damper actuators it can control from one controller.

The power pack module can either be mounted within the controller or as a remotely mounted module. The module comes complete with its own inbuilt illuminated MCB rocker switch.

