

VIS2000B Manual Addendum for VIS2000D

The VIS2000D has additional features added in addition to the VIS2000B:

1. The unit contains an internal automatic bypass.
2. The unit has the capability of being remotely operated.

AUTOMATIC BYPASS

If the UPS is in standby and mains input power is present. The LCD will display the input voltage and the output voltage will be displayed as zero. The load will be provided with power directly from the mains through the UPS output sockets and the UPS will charge its internal batteries. If the input power should fail, the UPS will switch off and output power will be lost. However the unit can still be switched on and the load will then be provided with power - the UPS inverter drawing power from the batteries.

This is the recommended mode where continuity of power is not essential, but the ability to have power on demand is.



The output voltage on the LCD display will show zero, but what this indicates is the UPS is in standby. There will still be voltage on the output sockets.



In the event of an overload, the circuit breaker on the UPS may trip and this will remove power from the output sockets.

If the UPS is switched ON and mains input power is present. The load will be provided with power through the UPS¹ and the UPS will charge its internal batteries. If the input power should fail, the UPS inverter will immediately activate and continue to supply power until either the UPS batteries are depleted or the unit is switched off. ***This is the recommended mode where continuity of power is essential.***



In the event of an extended outage with no load on the UPS, the batteries may drain to a point where there is insufficient power to start up a load, even though the UPS may be active.

REMOTE SWITCH

The RJ45² connectors on the rear of the unit can be used to connect two remote switches through CAT5 or CAT6 cabling. If Pins 4&5 (the centre pins & usually coloured blue and blue/white on cabling) are shorted the unit will switch on, and when opened the unit will switch off, allowing the unit to be remotely operated.



The remote switches are in parallel with the front panel switch and each other. This means that if any of the switches are closed, then the unit will be ON, regardless of the status of the other switches. Ensure that the front panel switch is OFF if placing the unit out of reach.



The contacts are connected to the internal electrical system of the UPS and are floating with respect to earth. This means there may be a voltage from either pin to earth of between ~100V and 125VAC. This voltage is impedance limited and will not cause an electric shock, however precautions should be undertaken to ensure the contacts are isolated and protected from accidental contact and should be treated as though they are live conductors.

NOTES:

1. For units fitted with mains first bypass, power will always be supplied from the mains if present.
2. RJ11 telecom cable can also be used. Connections are via the centre pins.