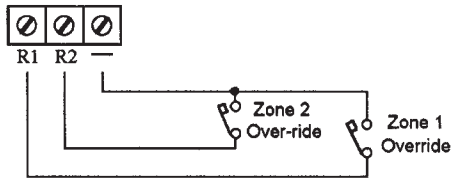
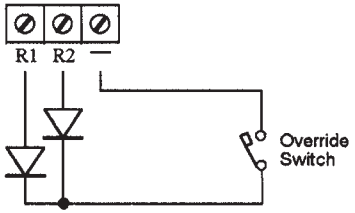
5. Set the ***LUX*** adjustment to the 6 o'clock position. This determines the darkness needed before the lights start to work. This can be altered to suit individual needs.
6. Set the adjustments ***TIME ZONE 1*** and ***TIME ZONE 2***. Turning these fully clockwise will give a maximum time of 6 minutes. Each time a movement is detected the timer will restart, therefore the lights will stay on from the first detection until the pre-set time after the last detection.

ADDITIONAL INFORMATION

Low Voltage, Manual Override of lights.

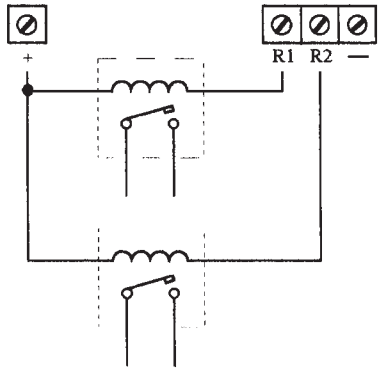


Low Voltage, Manual Override of lights using one switch.



The terminals R1 & R2 will sink a maximum of 60mA each.
Neither of these terminals will source any current.

Connecting a relay to the Twin Zone Control Unit



The relays shown above will activate whenever the corresponding zone of lights are turned on.

The coil of the relay must not consume more than 60mA (max).

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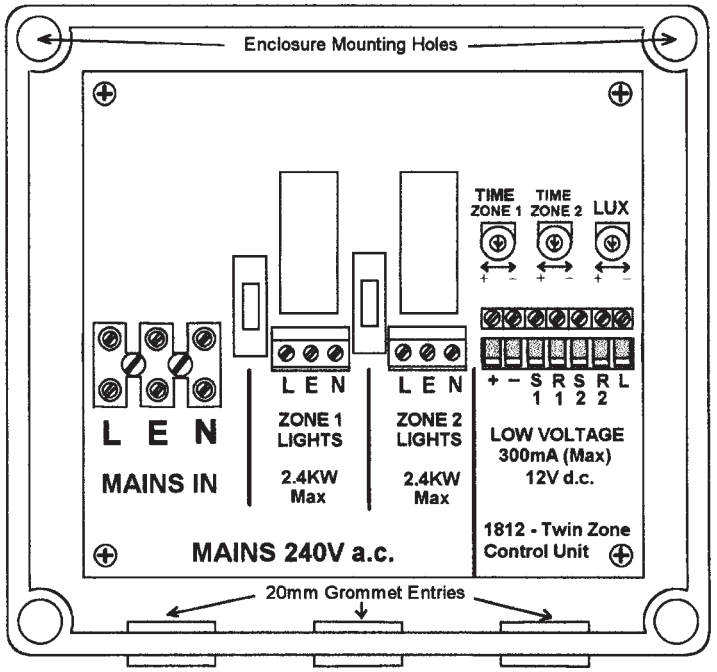
Installation Instructions **1812**

Twin Zone Control Unit

This unit will automatically control two sets (zones) of lights when connected to Voltek External Sensors. The *Twin Zone Control Unit* is extremely versatile. It gives full control of the lighting and the facility to connect low voltage devices such as 1809 IBX or 1819 TZX Command Centres, additional relays to give outputs to speech modules, internal alarm panels, CCTV cameras..... the list is endless.

FEATURES

- 220/240V 50Hz operating voltage.
- Switches 2.3KW (10A) per zone.
- Adjustable light(s) on time control for both zone 1 and zone 2 (3sec - 5 minutes)
- Adjustable lux level control. (sets the level of darkness at which the unit starts to work)
- Independent fuses for zone 1 and zone 2 (10A td).
- 300mA @ 12Vdc available from power supply to power the External Sensors and other low voltage devices.
- IP 55 weatherproof enclosure.



The number of External Sensors and other low voltage devices that may be connected to the controller is governed by the current available (300mA). Add up the current rating of each device to be connected to make sure it does not exceed 300mA. If you do require more current than this, an additional 12V dc power supply will be needed.
Each Voltek External Sensor consumes 12mA(max) @ 12Vdc.

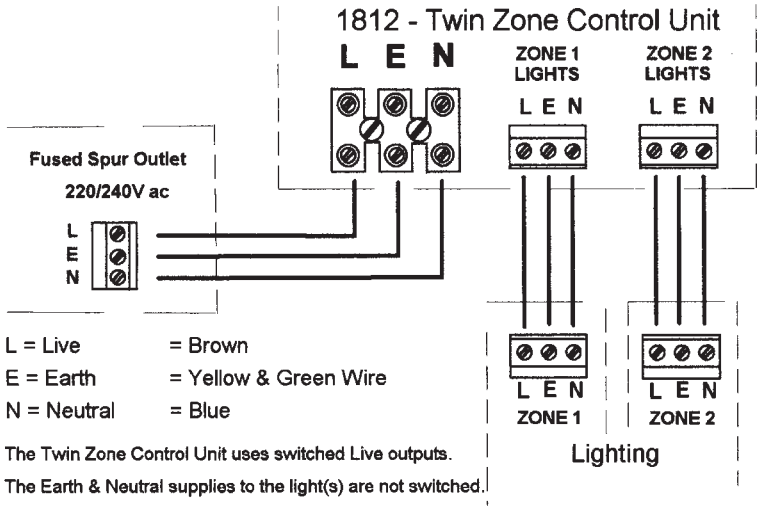
SITING

The control unit may be mounted indoors or outdoors at any convenient mains wiring point, i.e. next to a fuse box or in the loft. It is normal for the control unit to be warm during operation. When siting the External Sensors, consult the instructions supplied with the sensors.

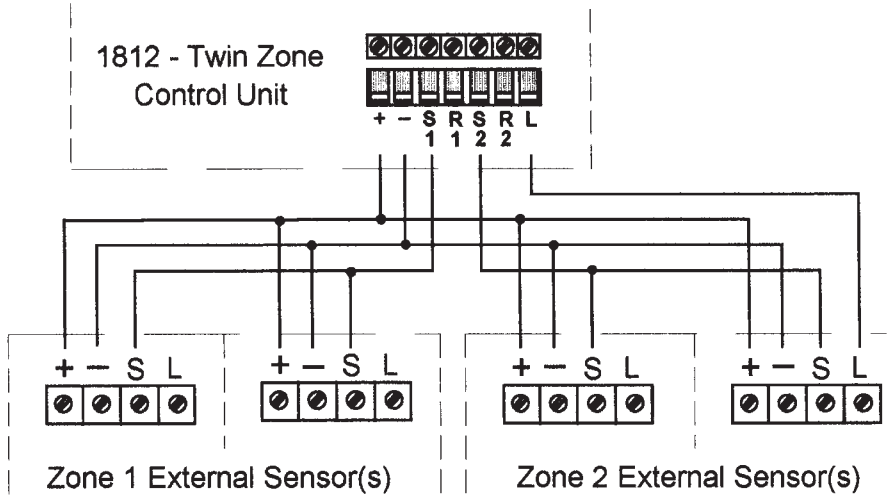
INSTALLATION

This equipment must be installed by a competent electrician. All wiring must comply with IEE regulations as well as your local building codes.

1. Mount the *Twin Zone Control Unit* onto the chosen surface.
2. Mount the external lights in their chosen positions.
3. Run a suitable cable, capable of carrying the full lighting load for both zones of lighting, from a fused spur outlet and connect to the 'Mains In' terminal block on the *Twin Zone Control Unit*.
4. Run a suitable cable from the Zone 1 light(s) back to the *Twin Zone Control Unit* and connect to the Zone 1 Lights terminals.
5. Run a suitable cable from the Zone 2 light(s) back to the *Twin Zone Control Unit* and connect to the Zone 2 Lights terminals.



6. Mount the External Sensors in their chosen positions following the guidelines supplied with the Sensors.
7. Connect the External Sensors for Zone 1 lights to the terminals marked '+' '-' 'S1'
8. Connect the External Sensors for Zone 2 lights to the terminals marked '+' '-' 'S2'.
9. Only one of the External Sensors on the system should be connected to the L terminal. This sensor will supply the control unit with information of how light or dark it is.



10. If you are only using one zone of this Twin Zone Control Unit, please connect a 22K resistor between the unused 'S' terminal and the '+' terminal.
11. Connect any additional units to the *Twin Zone Control Unit* following the instructions supplied with the individual units.

SETTING UP

1. Turn ***TIME ZONE 1*** adjustment, ***TIME ZONE 2*** adjustment and ***LUX*** adjustment fully anti-clockwise for walk-testing.
2. Apply power.
3. Walk test the system to obtain the desired detection area by adjusting the angle of the detectors. When the unit detects a movement, allow 2 seconds for the light to go out before continuing the walk test. The range of coverage will increase slightly at night time due to the drop in air temperature.
4. Tighten the grub screws to lock the sensors into position.