

CCU2 CONTROL UNIT

CONTROLS NATURAL VENTILATION



■ Applications



■ CCU2 CONTROL UNIT:

- Compact digital control unit perfect for conservatories or stuffy environments.
- Complete with external temperature sensor and rain sensor.
- Digital display to program the desired room temperature.
- Manual open/close buttons on front of control panel.
- Maximum current output of 8 amp to operate 230VAC actuators.
- Can be fitted flush in your wall or surface mounted in plastic back box (not supplied with unit).



TECHNICAL DATA:

CODE	CCU2
VOLTAGE	230VAC
OUTPUT CURRENT	8A
PROTECTION CLASS	IP4X
COLOURS	WHITE
DIMENSIONS	146 x 86 x 28mm
INPUTS	CCURS1, CCUTS1

INPUTS:

CCURS1*
Rain Sensor



CCUTS1*
Temperature Probe



* Supplied complete with unit

INSTALLATION & USER MANUAL

DIGITAL CLIMATE
CONTROL UNIT

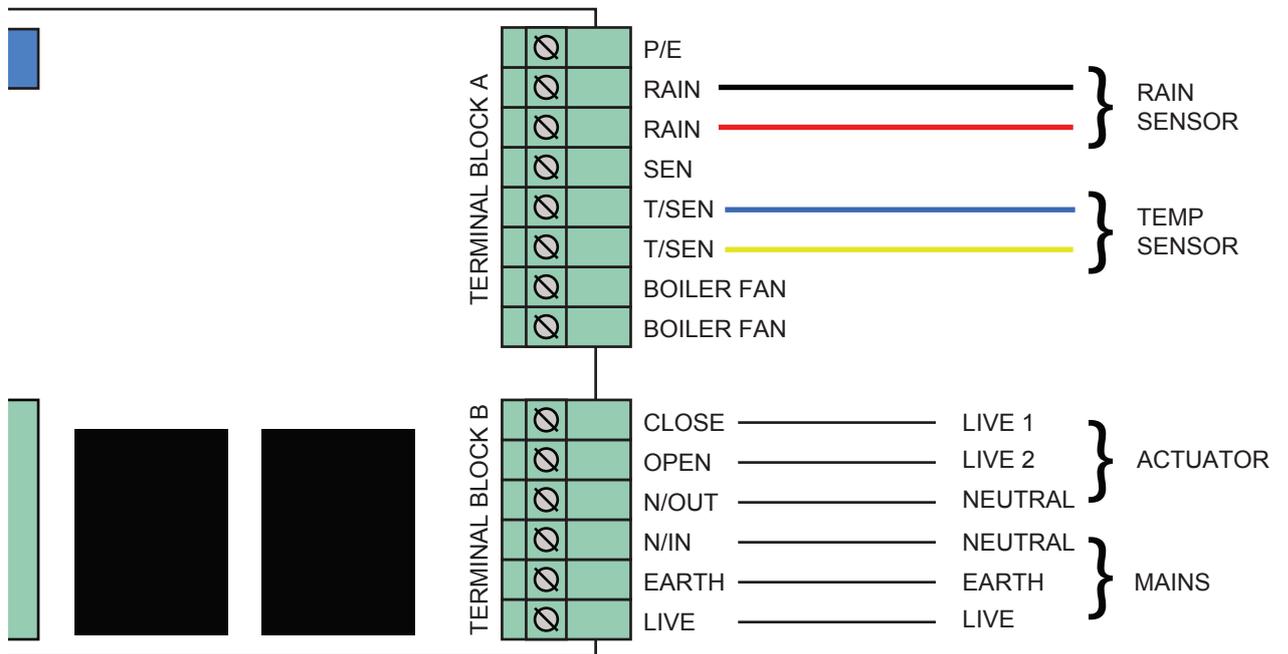
CCU2



* enclosure design may vary

software version: EViii

CONNECTIONS



 **PLEASE NOTE**

The installation of all electrical items must be undertaken by a qualified professional. Mains power must be supplied via a 5-Amp fused spur. Do not use cable thicker than 1.5mm and multi-strand if possible for flexibility. This controller will fit into any standard two-gang surface or flush 35mm back box.

SETUP INSTRUCTIONS

- 1** The front of the controller has a digital display which will give you information on the current status in LCD form. There are also 3 square buttons which programme the controller and finally a lamp to signal that power is present at the module.
- 2** With your wiring complete switch on the power at the fused spur. The power lamp should illuminate and a display appear on the LCD screen.
- 3** Before the controller can work you need to set the parameters by which the controller operates.
- 4** Firstly press the 'M/A' button until 'MANUAL' appears on the display. Now press the bottom button marked with the 'down arrow' this will fully close the actuator. Next press and hold the top button 'up arrow' and count the number of seconds it takes for the actuator to reach its fully open position.
- 5** With the power still on press and hold the 'M/A' button. Still holding the button switch off the power at the fused spur. Count to 10 seconds and switch the power back on. Only when the power is on and the display showing should you release the 'M/A' button.
- 6** The controller has now entered the "Setup Menu" and the display now requires that you enter the time in seconds that your actuator takes to reach its fully open position. Use the up and down arrows to increase or decrease the value. When you have set the correct time for your actuator press the 'M/A' button once more.
- 7** The display now shows the rain sensor sensitivity, please leave at '05' for normal use. Press the 'M/A' button once more.
- 8** This new display relates only to special functions and should be bypassed. Press the 'M/A' button once more.

SETUP INSTRUCTIONS

- 9** The final display is only of interest should you have a conflict between the temperature shown on the controller and another device in the room. This display allows you to alter the controller to mimic the second device. To do so press the up and down arrow to increase or decrease the value. Press the 'M/A' button again when you are finished.
- 10** You have now returned to the normal working display.

OPERATING INSTRUCTIONS

- 1** To switch from 'Manual' operation to 'Auto' function simply press the 'M/A' button once and the display will show the selected mode.
- 2** In 'Manual' mode simply press the Up arrow to open, or Down arrow to close. When you release the button the motor stops and the window remains in that position until altered. The rain sensor will not function in 'Manual'.
- 3** When in 'Auto' mode you will need to input the temperature at which you wish the room to be maintained. Press the up or down arrow to adjust accordingly. When the desired temperature is displayed just wait a few seconds and the controller will automatically accept the new value and the display will return to 'Auto'.
- 4** Your setup is now complete. Obviously if you wish to change anything just go through the procedure above again.
- 5** In 'Auto' mode your controller will try to maintain your chosen room temperature by opening/closing the actuator. It does this by only opening the actuator 1/4 of its opening stroke at a time and depicts the actuator position on the display. Several minutes will elapse between each opening of the actuator so as to give the temperature time to stabilise also putting less strain on the actuator itself as it does so.