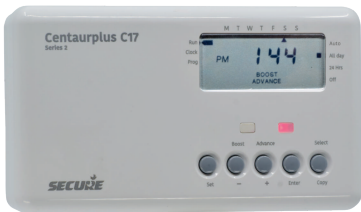




## **CentaurPlus C11 & C17 Series 2 Installation Instructions**



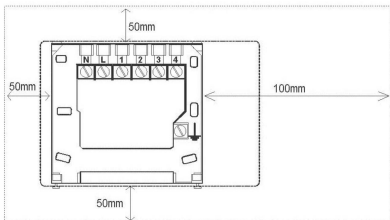
CentaurPlus single channel timeswitches offer up to three on / off periods a day with a one hour boost and instant advance facility.

Installation and connection should only be carried out by a suitably qualified person and in accordance with the current edition of the IET wiring regulations.

**WARNING:** Isolate mains supply before commencing installation.

## Fitting the backplate

Once the backplate has been removed from the packaging please ensure the timeswitch is re-sealed to prevent damage from dust and debris. The backplate should be fitted with the wiring terminals located at the top and in a position that allows a total clearance at least 50mm around the unit.



## Direct wall mounting

Offer the backplate to the wall in the position where the timeswitch is to be mounted, remembering that the backplate fits to the left hand end of the control. Mark the fixing positions through the slots on the backplate (fixing centres of 60.3mm), drill and plug the wall, then secure the backplate in position. The slots in the backplate will compensate for any misalignments of the fixings.

## Wiring box mounting

The backplate may be fitted directly onto a single gang steel flush wiring box complying with BS4662, using two M3.5 screws. CentaurPlus controls are suitable for mounting on a flat surface only; they must not be positioned on a surface mounted wall box or on unearthed metal surfaces.

## Electrical connections

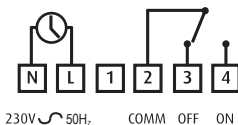
All necessary electrical connections should now be made. Flush wiring can enter from the rear through the aperture in the backplate. Surface wiring can only enter from beneath the timeswitch and must be securely clamped. The mains supply terminals are intended to be connected to the supply by means of fixed wiring. Recommended cable sizes are 1.00 or 1.5mm<sup>2</sup>.

CentaurPlus timeswitches are double insulated and do not require an earth connection but an earth connection is provided on the backplate for terminating cable earth connectors. Earth continuity must be maintained and all bare earth connectors must be sleeved. Ensure no earth conductors are left protruding outside the central space enclosed by the backplate.

### Internal wiring diagram - C11 & C17 Series 2

The CentaurPlus has voltage free contacts.

A link L - 2 is required for mains voltage applications



### New installations

Example circuit diagrams for some typical installations are shown on the following page. These diagrams are schematic and should be used as a guide only.

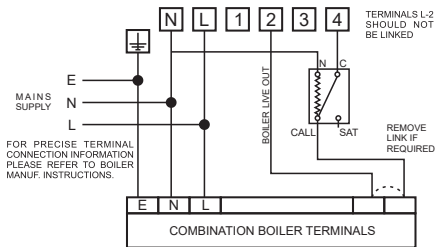
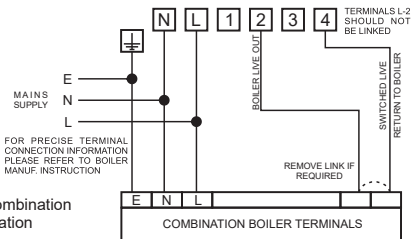
**Please ensure that all installations comply with current IET regulations.**

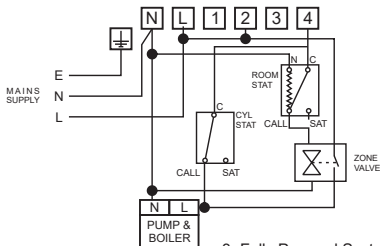
For reasons of space and clarity not every system has been included and the diagrams have been simplified - for example some earth connections have been omitted.

Other control components shown in the diagrams, i.e. Valves, Room Stats etc are general representations only. However the wiring detail can be applied to the corresponding models of most manufacturers, for example Honeywell, Danfoss Randall, ACL Drayton etc.

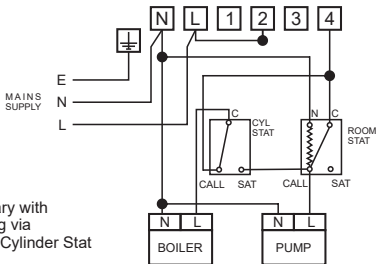
## Cylinder and Room Thermostat key;

C = Common; CALL = Call for heat or break on rise; SAT = satisfied on rise; N = neutral.





3. Fully Pumped System with Room Stat and two port spring return valve (with auxiliary switch) on Heating circuit

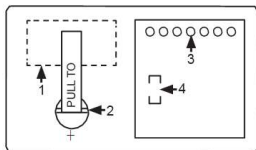


4. Gravity primary with pumped Heating via Room Stat and Cylinder Stat

## Commissioning the timeswitch

Ensure all dust and debris has been cleared away from the work area before removing the time switch from its packaging.

## Rear view of CentaurPlus timeswitch



- 1 - RATINGS LABEL
- 2 - BATTERY
- 3 - CONNECTOR PINS
- 4 - PRODUCTION DATE LABEL

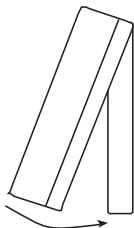
## Battery reserve

The battery must be commissioned prior to fitting the control to the backplate. This is achieved by the means of a commissioning strip situated in the back of the unit. Pull out the battery commissioning strip at the back of the timeswitch and re-insert the battery; the reserve is now activated. When the timeswitch is running the battery reserve clock display will disappear. This is to prolong the life of the battery.

## Fitting the timeswitch

If surface wiring has been used, remove the knockout/insert from the bottom of the timeswitch to accommodate it.

Loosen the two 'captive' retaining screws on the bottom of the backplate. Now fit the timeswitch to the backplate, ensuring the lugs on the backplate engage with the control.



End view of CentaurPlus timeswitch

Swing the bottom of the control into position ensuring that the connection pins on the back of the unit locate into the terminal slots in the backplate. Tighten the two captive retaining screws to fix the unit securely. Then switch on the mains supply. On completion of the installation please reset the timeswitch - detailed below.

### **Resetting the timeswitch**

On the CentaurPlus press the SET and SELECT buttons together. Then release the buttons and the timeswitch will return to preset factory settings. The preset factory settings are illustrated on page 6 of the USER GUIDE.



The unit can now be programmed to suit the user's requirements. Please refer to the User Guide provided.

### **General information**

Before handing over the installation to the user, always ensure that the system responds correctly on all control programmes and that other electrically operated equipment and controls are correctly adjusted.

Explain how to operate the controls and hand over the users operating instructions to the user.

# Specification - CentaurPlus C11 & C17

Electrical	
Purpose of Control	Electronic Central Heating Programmer (1 Channel)
Contact Rating	3(1)Amp 230VAC
Contact Type	Micro-disconnection
Supply	230V AC 50Hz only
Protection	Class II
Control Action	Type 1B,R
Operating Time Limitation	Intermittent
Software Class	Class A
Battery Life	10 months continuous operation (minimum)
Mechanical	
Dimensions	84mm x 150mm x 29mm
Case Material	Thermoplastic, flame retardant
Ball Pressure Test Temperature	75°C
Mounting	Industry standard 6 pin wallplate, independently mounted
Environmental	
Impulse Voltage Rating	Cat II 2500V
Enclosure Protection	Ip30
Pollution Degree	Degree 2
Operating Temperature Range	0°C to +40°C
Compliance	
Design Standard	EN 60730-2-7, BS EN 60730-1, BS EN 60720-2-7



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