

Fitting Instructions for Chop-Cloc

Must only be fitted by qualified electricians



CHOP-CLOC®

Model CC02

Watch the
step by step
fitting video



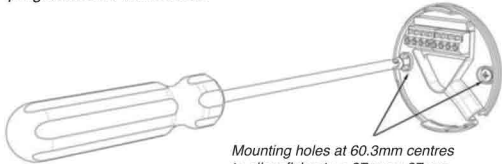
The Chop-Cloc fitting tutorial can be found on our YouTube channel: 'chopcloc'. Search YouTube with 'chop cloc fitting' or access via the QR code above.

Step 1 SAFETY

Make sure the heating is OFF and the mains electricity supply to the heating system and controllers is switched OFF

Step 2 ORIENTATION

The CC02 is mounted to its own backplate, see below. This comes detached from the main unit. The unit can be mounted in series downstream of either the timer/controller (whether integrated with the boiler or not), or in series downstream of a thermostat/programmable thermostat.



Mounting holes at 60.3mm centres to allow fixing to a 87mm x 87mm BS5733 1 gang box

Location should be selected for convenience but requires a power supply connection to mains supply.

The backplate must be mounted securely to the wall by two screws, supplied. Cabling can be surface mounted through the integrated conduit, or brought through-hole from the rear. There is a removable blanking piece in the 5 o'clock position at the side of the unit to allow entry to the surface mount conduit in CC02's backplate.

Fig 1



Fig 2



Fig 3



Chop-Cloc profile over 1 gang blanking plate

If required, the Chop-Cloc can be mounted directly to an electrical trunking box, either external surface mount (Fig 1) or internal cavity mount (Fig 2). Because the Chop-Cloc is smaller than the BS5733 box, a blank wall plate (Fig3) with a hole drilled in the centre to pass the wiring through would be required additionally to the box.

Step 3 PRELIMINARY INFORMATION REQUIRED

What is the supply voltage in the heating system?

This can be anything from 110VAC to 240VAC

What is the control voltage in the heating system?

This can be mains voltage from 110-240VAC, or low voltage 24VAC, or voltageless switching.

Once these parameters have been established CC02 is wired in accordance with the scheme below.

Step 4 CC02 WIRING

CC02 Connector block connections

1	2	3	4	5	6	7	8
110/240V-L Supply	Switch110/240V Output	110/240V-N Supply	110/240V Input	0V GND	24V High	24V Input	Switch24V Output
High Voltage Side				Low Voltage Side			

N.B **Control inputs** should be taken from the timer or thermostat output side. **Outputs** from CC02 are fed back to the point at which this feed was interrupted.

MAINS VOLTAGE

Systems which use **mains voltage** control switching - unit is double insulated so no EARTH connection is required.

Supply - Terminal 1-Live & 3-Neutral - 110/240V

Input- Terminal 4

Output Terminal 2

LOW VOLTAGE Systems which use a low voltage switching

Supply - For systems with mains supply- 110/240V -

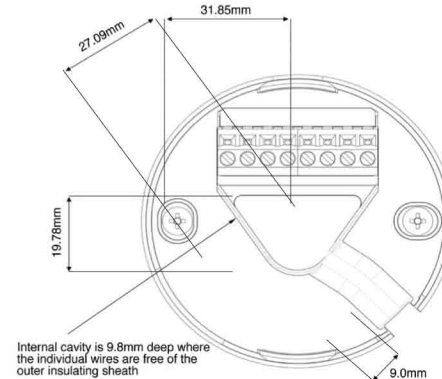
Terminal 1- Live & 3 -Neutral 110/240V

For systems which use **low voltage controls supply** a separate mains supply for CC02 needs to be taken to Terminal 1 -Live & 3- Neutral - 110/240V

Input - Terminal 6 & Terminal 5- Ground - be careful to check which is Ground within the system

Output- Terminal 8

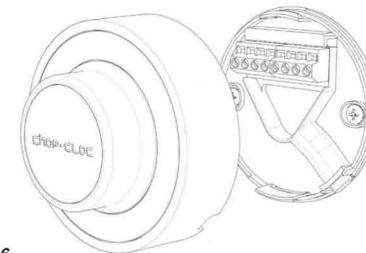
Low Voltage- Terminal 7 - 24V/High & Terminal 5 -0V/Ground



Internal cavity is 9.8mm deep where the individual wires are free of the outer insulating sheath

Step 5

Once the wiring is complete, the unit may be clipped on to the backplate, locating firmly with a light push till it clicks fully back. Removal can be done with a flat blade screwdriver inserted in the top slot and given a light twist with downward pressure.



Step 6

Turn the electricity supply back on and you're ready to go. The unit should power-up and the backlighting glow. Once the heating system is in ON mode at the main timer the ORANGE LED indicator at the base of CC02 will light up. When in 'chopping mode' the LED is GREEN. For further instructions on how to use check out the User Guide