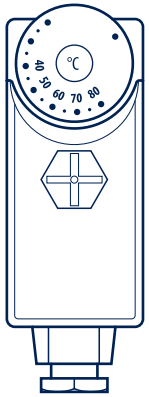
SALUS CONTROLS EN



CT100

CYLINDER/PIPE THERMOSTAT

QUICK GUIDE

MULTI-LANGUAGE

MANUAL

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10/2026

Introduction

The CT100 from SALUS Controls is a practical surface mounted mechanical thermostat. The thermostat can be used to switch a circulating pump, boiler or most common motorised zone valves.

The CT100 will allow the user to control the temperature of Domestic Hot Water Cylinders (both uninsulated and foam lagged), and is also supplied with a wire strap which enables the unit to be used as a pipe thermostat.

Product compliance

This product complies with the essential requirements and other relevant provisions of Directives GPSR 2023/988/EU, REACH SVHC 253, RoHS 2015/863/EU and 2017/ 2102/EU amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
The full text of the EU Declaration of Conformity is available at the following web address: www.saluslegal.com

Safety Information

These instructions are applicable to the SALUS Controls model stated on the front cover of this manual only, and must not be used with any other make or model.

These instructions are intended to apply in the United Kingdom only, and should be followed along with any other statutory obligations.

This accessory must be fitted by a Competent person, and installation must comply with the guidance provided in the current editions of BS7671 (IEE Wiring Regulations) and Part 'P' of the Building Regulations. Failure to comply with the requirements of these publications could lead to prosecution.

Always isolate the AC Mains supply before carrying out any work on the CT100 thermostat.

Please leave these instructions with the end user where they should be kept in a safe place for future reference.

Features

- Surface mounted
- Suitable for use on uninsulated and foam lagged cylinders
- Easy temperature adjustment
- Dual use (cylinder or pipe thermostat)

ErP Rating: This product has been rated as: Class 1, Efficiency 1%

Installation

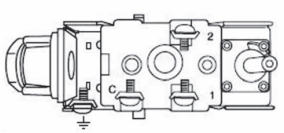
Please read the important safety information at the start of this manual before you begin to install the device.

NOTE: All electrical installation work should be carried out by a suitably qualified Electrician or other competent person.

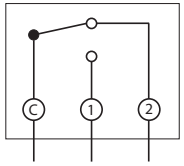
If you are not sure how to install this thermostat consult either with a qualified electrician, heating engineer or your boiler / heating system supplier for advice on how to continue.

The CT100 thermostat should not be mounted in a location where it will come into direct contact with water, moisture or condensation. The location should also be accessible for the connection of the control wiring.

There are few electrical connections required to the CT100, and these connections should be made to the screw terminals on the front of the thermostat, as indicated in the diagrams below:



Wiring Terminals



Terminal	Description	Function
C	Common Contact	---
1	Nomally Open Contact	Contact made when heat below set
2	Normally Closed Contact	Contact made when heat above set
	Earth	---

Fitting Location

When installed as a cylinder thermostat: The recommended fitting location is approximately a quarter of the way up from the bottom of the cylinder – if the thermostat is to be mounted on a foam lagged cylinder, a sufficient amount of insulation (to the depth of the cylinder surface) must be removed to allow the CT100 to be in contact with the cylinder.

When installed as a pipe thermostat: The CT100 thermostat should be located as near to the temperature source to be controlled as possible, typically not more than 0.6 metres from the boiler.

Operation

The CT100 thermostat switches on and off the heat supply from the boiler to the hot water cylinder. It works by sensing the temperature of the water inside the cylinder, switching on the water heating when the temperature falls below the thermostat setting, and switching it off once this set temperature has been reached.
The CT100 thermostat has an easily adjustable, clearly marked scale, and the temperature should normally be set at between 60 °C and 65 °C. This temperature setting is high enough to kill off most of the harmful bacteria in the water - raising the temperature of the stored hot water any higher will result in wasted energy and increases the risk of scalding.
If your boiler has a control thermostat it should always be set to a higher temperature than the cylinder thermostat. In most boilers, a single boiler thermostat controls the temperature of water sent to both the cylinder and radiators, although in some there are two separate boiler thermostats.

Turning a cylinder thermostat to a higher setting will not make the water heat up any faster. How quickly the water will heat up depends on the design of the heating system.

Maintenance

The CT100 thermostat requires no special maintenance. Periodically, the outer casing can be wiped clean using a dry cloth (please DO NOT use solvents, polishes, detergents or abrasive cleaners, as these can damage the thermostat).
There are no user serviceable parts within the unit; any servicing or repairs should only be carried out by SALUS Controls or their appointed agents.

Should the CT100 thermostat fail to function correctly, check:
- The CT100 temperature has been set correctly
- Heating system time switch or programmer is switched on.

Product & Technical Specifications

Model	CT100
Type	Surface mounted mechanical thermostat designed for hot water cylinder or pipe applications
Dimensions	
Height	105 mm
Width	45 mm
Depth	56 mm
Switching	
Switching Voltage	230V AC, 50 Hz
Switching Current	16A resistive, 4A inductive
Contact Type	Single Pole Double Throw (SPDT)
Temperature	
Range	40 °C to 80 °C
Environment	
Operating Temperature	0 °C to + 55 °C
Storage Temperature	- 20 °C to + 60 °C