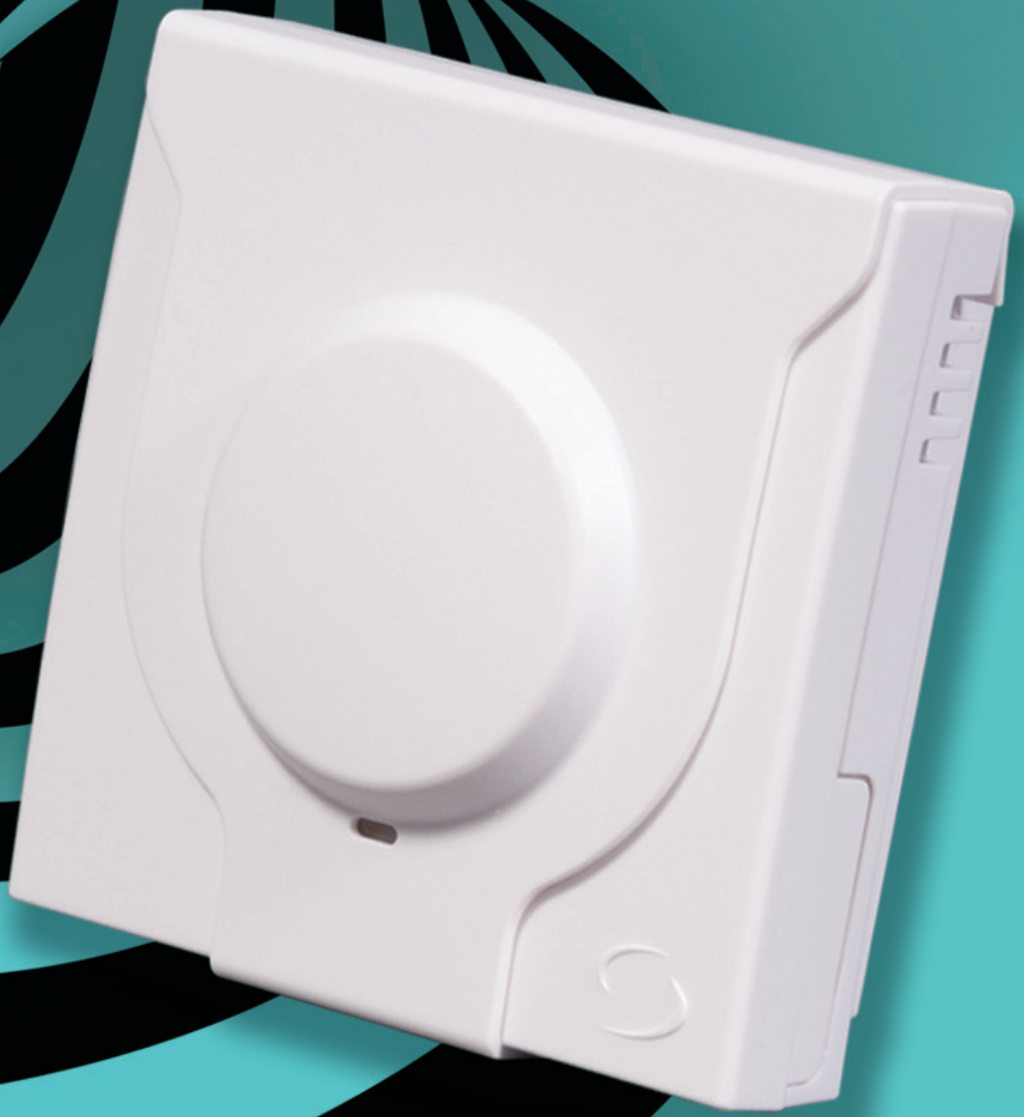
SALUS

Electronic Frost Thermostat



Instruction Manual

Model No FT100

WARRANTY 2 YEARS

CE

PRODUCT COMPLIANCE

This product complies with the essential requirements of the following EC Directives:

- Electro-Magnetic Compatibility directive 2004/108/EC
- Low Voltage Directive 2006/95/EEC
- EC Marking directive 93/68/EEC

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.

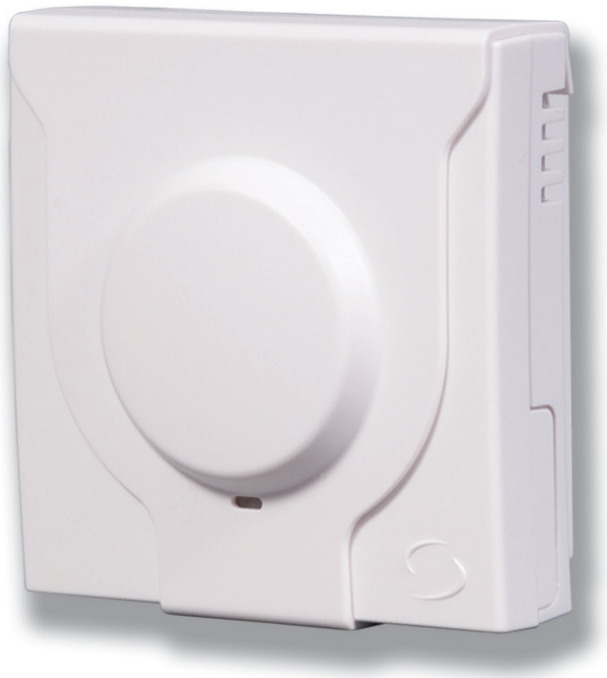
This accessory must be fitted by a Competent person, and installation must comply with the guidance provided in the current editions of BS7671 (IEE Wiring Regulations) and Part 'P' of the Building Regulations. Failure to comply with the requirements of these publications could lead to prosecution.

Always isolate the AC Mains supply before carrying out any work on the FT100 thermostat.

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

INTRODUCTION

A frost thermostat is used to protect your property from damage by freezing. It works by turning on your heating system if the temperature drops below the temperature you have set on the frost thermostat, allowing the user peace of mind.



The FT100 from Salus Controls is a stylish mains voltage thermostat that can switch a pump, zone valve or boiler to provide localised protection from freezing, regardless of the heating controller settings. Fitted with a protective cover to prevent tampering, this thermostat has been specifically designed to be used for 230V AC heating applications.

Features

- Simple to use
- Large dial
- Tamper proof cover
- LED heat call indicator
- Temperature range between -10 °C and 20 °C
- Stylish Casing

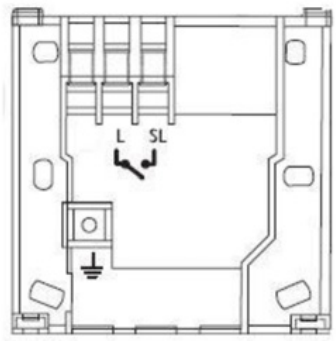
INSTALLATION

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

The Frost Thermostat should be located in the coldest part of the building, but where it can respond to a rise in temperature when the boiler switches on. The ideal position to locate the FT100 frost thermostat is about 1.5m above floor level, in a location where the thermostat is accessible, reasonably lit and free from extremes of temperature and draughts. Do not mount the thermostat on an outside wall, above a radiator or in a location where it may be subjected to direct sunlight.

The electrical connections to the FT100 are made to the supplied industry standard backplate. This simplifies installation, as no connections are made to the controller itself. Connection details are shown below - no Earth connection is required for the correct and safe operation of the FT100, but a parking terminal is provided to connect an Earth wire if one is present.

Backplate Connections

Terminal	Description	Backplate
N	Mains Neutral	
L	Mains Live	
SL	Switched Live (Normally Open Contact)	
⏚	Earth Parking (no electrical connection)	

After installing the backplate in a suitable location, wiring connections can be made as shown above. The following criteria apply to the installation:

- The incoming AC mains supply should be 230V AC and fused at 5 amps.
- Optimum cable size for installation is 1.5 mm2; wiring colours should be in accordance with the current requirements of the IEE Wiring Regulations.
- Cable entry should be from the rear of the backplate.
- All wiring connections should be securely made, and be firmly gripped beneath the square brass washer on each terminal.

Do not restore the mains supply to the system until all associated items are fully installed.

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.

Do not remove or refit the FT100 onto the backplate without the mains supply to the system being isolated.

OPERATION

The FT100 is adjusted very easily by turning the rotary dial on the front of the thermostat to the required frost protection temperature.

To adjust the set temperature, unclip the protective cover and turn the rotary dial to the left to set a lower temperature, or to the right to set a higher temperature. Refit the protective cover after you have finished adjusting the set temperature.

The Light Emitting Diode (LED) on the front panel will light when the temperature is below the set value, showing that the thermostat is calling for heat from the boiler. Once the room reaches the set temperature, the LED will turn off and the FT100 will stop calling for heat from the boiler.

MAINTENANCE

The FT100 frost 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 FT100 frost thermostat fail to function correctly, check:

- The FT100 temperature has been set correctly.
- Heating system time switch or programmer is switched on.

PRODUCT SPECIFICATION

Model:	FT100
Type:	Surface mounted electronic frost thermostat designed for 230V AC heating applications.

Switching

Switching Voltage:	230V AC / 50Hz
Switching Current:	8A resistive, 3A inductive
Contact Type:	Single Pole Single Throw (SPST)

Temperature

Range:	- 10 °C to + 20 °C
Accuracy:	± 1 °C at 25 °C

Environment

Operating Temperature:	0 °C to + 50 °C
Storage Temperature:	- 20 °C to + 55 °C

FT100 Warranty

Salus Controls warrants that this product will be free from any defect in materials or workmanship, and shall perform in accordance with its specification, for a period of two years from the date of purchase. Salus Controls sole liability for breach of this warranty will be (at its option) to repair or replace the defective product.

Customer Name: .....

Customer Address: .....

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Post Code: ..... Tel No: .....

Email: .....

Engineers Company: .....

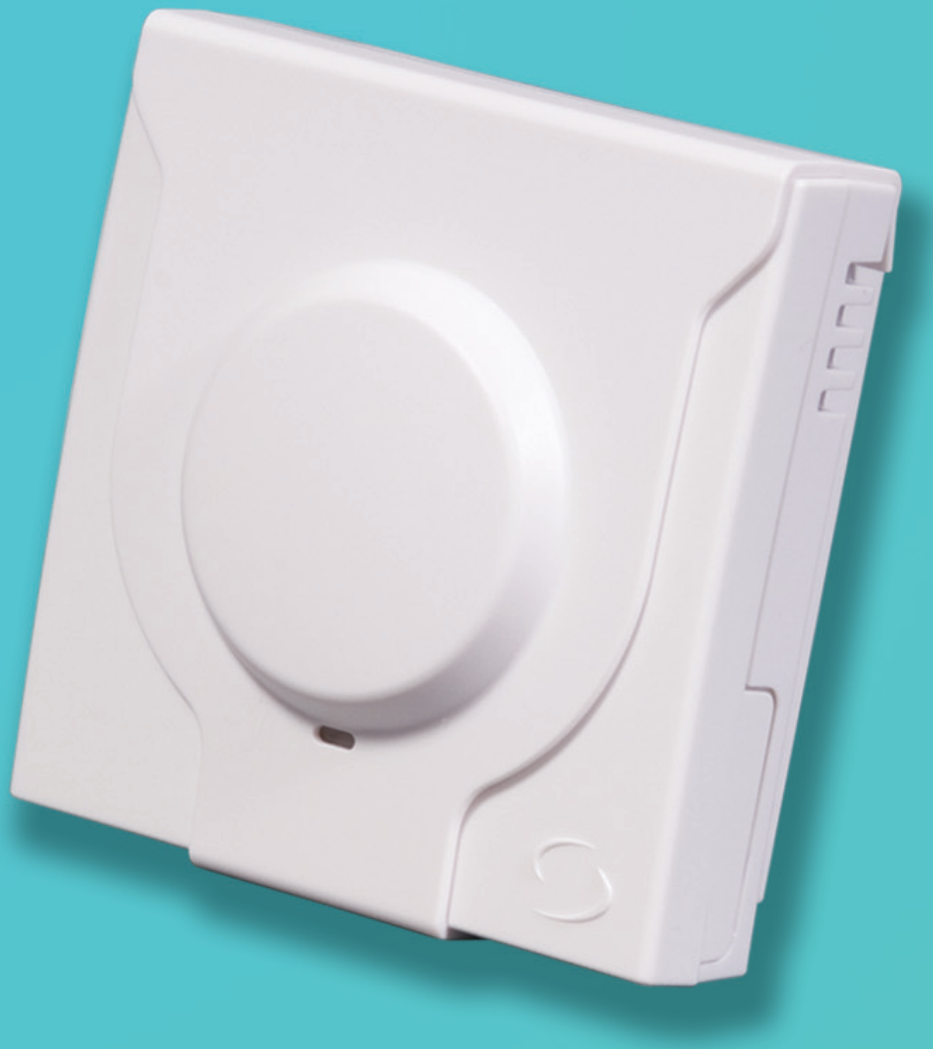
Tel No: .....

Email: .....

Intallation Date: .....

Engineers Name: .....

Engineers Signature: .....



www.salus-tech.com

Sales: Email: sales@salus-tech.com Tel: 01226 323961
Technical: Email: tech@salus-tech.com Tel: 01226 323961

Salus Controls plc, Salus House, Dodworth Business Park South,
Whinby Road, Dodworth, Barnsley S75 3SP