**ERT30RT Noisemless Digital Room Thermostat for Underfloor Heating with Remote/Floor input**

**Product Compliance**

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

- **Low Voltage Directive 2006/95/EC**
- **EMC Directing 55/85/EC**

**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 discarded and any other obligations.

Always store the batteries supplied with the unit in a cool, dry place.

**INTRODUCTION**

A thermostat is a device that is used to switch the heating system in your home on and off as needed. It works by sensing the air temperature and switching on the heating when the air temperature falls below the thermostat setting. This continues until the set point temperature has been reached.

The ERT30RT is a compact, easy to use and accurate digital room thermostat that is fitted with a large easy to read display and comes as standard in the current requirements of the 1999 Building Regulations. It fails to comply with the recommended practices and procedures outlined below.

Installation

Please read the important safety information at the start of this manual before you begin to install the device. The ideal environment is at least 50cm away from any wall or metal surface. The base plate should be mounted on a wall with a minimum of 1.5m above floor level. It should be mounted in a location that is easily accessible and not subject to extremes of temperature. Looen screws should be mounted on the bottom of the unit, with the means of the mounting screw to the wall or flush-mounted wall box.

ERT30RT not only works by itself, it also integrates switch, setting, and setpoint temperature, and setpoint temperature. It replaces the traditional thermostat with a digital display, setpoint temperature, and setpoint temperature. It replaces the traditional thermostat with a digital display, setpoint temperature, and setpoint temperature. The electrical connections to the ERT30RT are made to the internal terminal strips. Connection details are shown below. Each terminal is labelled with a wire color code. A fail-safe 'setback' is required for correct and safe operation of the thermostat as the device is double insulated.

**Terminals Connections**

- **Terminal 1**: Brown (15V DC) or Brown (12V DC) for the mains supply to the ERT30RT
- **Terminal 2**: Black (12V DC) for the mains supply to the ERT30RT
- **Terminal 3**: White (5V DC) for the mains supply to the ERT30RT
- **Terminal 4**: White (5V DC) for the mains supply to the ERT30RT
- **Terminal 5**: Green (5V DC) for the mains supply to the ERT30RT
- **Terminal 6**: Black (12V DC) for the mains supply to the ERT30RT

**Functions**

- **Setting**: Add or subtract 0.5°C at a time.
- **Control**: On or Off
- **Setpoint**: 5.0°C – 45.0°C
- **Temperature**: 0°C to +40°C

**Changes to the DIP Switch settings should only be made by a registered P.5 of the Building Regulations. Failure to comply with the Technical Instructions can result in a void of the warranty.**

- **Normal Mode**: 15°C (cooling mode)
- **Floor Sensor Mode**: 5.0°C – 45.0°C
- **Frost Protection Mode**: 5.0°C

**Adjusting the Offset Temperature Setting**

The Offset temperature setting can be readjusted by entering the ERT30RT Offset temperature setting. This is done by pressing the PLUS and MINUS keys together for a few seconds. The display will flash to show that it can be changed.

Pressing the PLUS MINUS keys will then increase or decrease the Offset temperature setting within the range of 0.5°C to 10.0°C, 0.5°C per key press. Pressing the PLUS or MINUS keys will then adjust, but will Flash again once the key is released. Pressing the LOCK key will lock the Offset temperature setting. The PLUS and MINUS keys will then return to the normal mode after a few seconds if no key is pressed.

**Switching on or off the ERT30RT**

**Operation**

After installing and powering up the ERT30RT, the display will show the current room temperature and the time. After a few seconds, the display will show the current room temperature and the time.

**Adjusting the Set Point Temperature**

Any changes to the DIP Switch settings should only be made by a registered P.5 of the Building Regulations. Failure to comply with the Technical Instructions can result in a void of the warranty.

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**Setting the Floor Limit Temperature**

The Low Limit setting for the thermostat will be at 5.0°C. This is the temperature at which the thermostat will operate in cool mode, then the cooling will be turned off if the floor temperature drops below the Low Limit setting.

**Temperature outside the Operating Range**

The thermostat will operate in cool mode, then the cooling will be turned off if the floor temperature drops below the Low Limit setting.

**Valve Protection Function**

The Valve Protection Function is provided as a way to avoid the control valve from sticking or seizing when not being used for long periods of time. This function is enabled by setting the Valve Protection DIP switch to the enabled position (default). The Valve Protection function will turn on the thermostat output to operate the control valve for a period of 5 minutes every week. The valve function will operate even if the room temperature is higher than 35°C, if the thermostat is set to the Floor sensor or outside the Limits of the thermostat.

**Energy Saving**

One way to use your room thermostat is to find the temperature that is the most comfortable for you. This can be done by setting the thermostat to the desired temperature and leaving it at that setting. This can be done by setting the thermostat to the desired temperature and leaving it at that setting. This can be done by setting the thermostat to the desired temperature and leaving it at that setting. This can be done by setting the thermostat to the desired temperature and leaving it at that setting.

**Maintenance**

The ERT30RT digital room thermostat requires no special maintenance. Periodic maintenance is recommended. To clean the device, use a dry cloth and never use any liquid or water. This can be done by setting the thermostat to the desired temperature and leaving it at that setting. This can be done by setting the thermostat to the desired temperature and leaving it at that setting. This can be done by setting the thermostat to the desired temperature and leaving it at that setting. This can be done by setting the thermostat to the desired temperature and leaving it at that setting.