PRT-R
Instructions

? Programmable Room Thermostat

? Blue backlight

? Infrared Remote Control (Optional)

SPECIFICATIONS

Set-point range: 5℃ to 70℃   Display: LCD

Operating difference: ? 1℃   Power supply: 230V $\pm$ 10% 50-60 Hz

Switch current rating: ? 16A   Dimensions: 86 × 86 × 13 mm

Sensing element : Remote NTC   Housing: ABS Flame Retardant

MOUNTING

BUTTON DESCRIPTION

"RT" Room temperature

Thermostat calling for heat

Day of the week

Remote Receiver

Down Key

Up Key

On/Off

Unused on this model

"H" Heating Manual ON/OFF button

Clock "✐" button

WIRING DIAGRAMS

PRT-R

230V AC 50Hz

L   N

L (Phase,230VAC)

Load

load

N(Neutral, 230VAC)
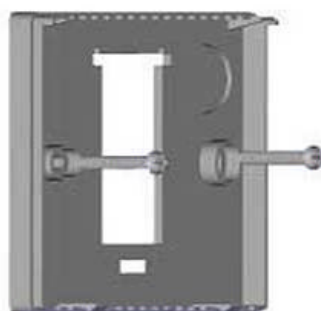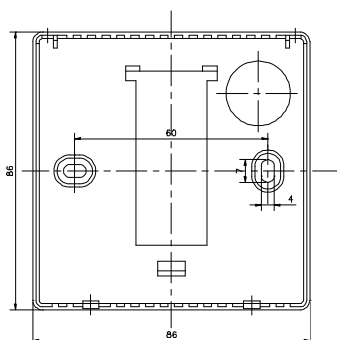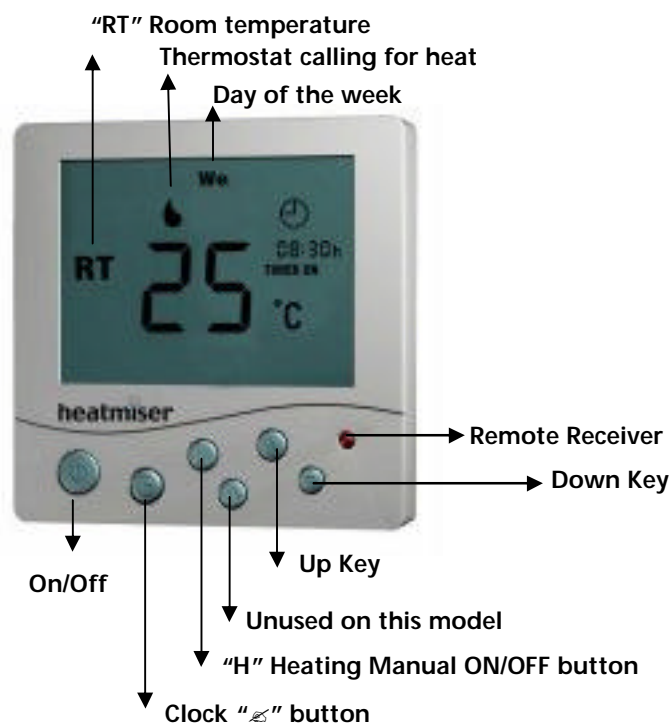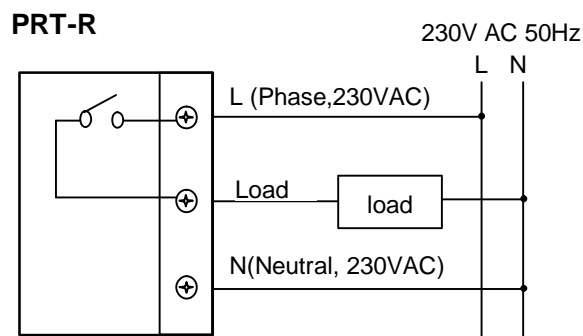
POWER ON/OFF

? To turn the PRT-R on or off press "⏻"

SETTING THE FROST PROTECTION TEMPERATURE

? With the thermostat powered off, press

✎ and "A" for three seconds. You are now prompted to enter the required frost temperature setting. This is set to 12°C as a factory default. (Min = 07°C, Max = 17°C)

FROST MODE (THERMOSTAT OFF)

To enable this operation;

? With the PRT-R turned off.

Press "✎" for 3 seconds.

Select 01   (00=disabled)

When enabled, the PRT-N will maintain the Frost Protection temperature whenever the power has been turned off by use of the "⏻" button.

TEMPERATURE CALIBRATING:

? With the PRT-R turned off, Press "✎" and "H" for 3 seconds. The display will show the actual temperature

? Press "   " or "   " to adjust the temperature to the correct value.

? Press "⏻" to turn off. The calibration setting will now be stored.

NORMAL OPERATING MODE:

RT = When the PRT-R is in the operating mode, RT is displayed and indicates the Room Temperature.

SET =   Pressing the UP or DOWN key once will display SET and the current set-point temperature. You are able to increase/decrease the set-point temperature using the UP/DOWN keys. This temperature change is only temporary and will be maintained only until the next programmed setting.

KEYPAD LOCKING FUNCTION

? Press "A" and Up for 10 seconds

? 00 = disabled   01 = enabled

? To lock the keypad, press "A" and Up keys for 10 seconds.

? "☽ " will be displayed to indicate the keypad is locked

? To unlock the keypad, repeat the steps above.

SETTING THE CLOCK

? Press "✎" twice, "✎" is displayed.

? Use the Up/Down key to select the minutes.

? Press "H" to accept the minutes setting

? Use the Up/Down key to select the hours

? Press "H" to accept the hours setting

? Use the Up/Down key to select the day of the week.

? To store the new settings, press "A"

MANUAL HEATING OVERRIDE (FROST PROTECTION)

? To put the PRT-R in to Frost Protection mode, Press "H".   A frost protection symbol "❄" will be shown.

? To cancel the Frost Protection mode, press H. The frost protection symbol "❄" will be removed. The frost protection temperature will be maintained in this mode.

(This function is only required if the Frost Mode - Thermostat Off function has been disabled.)

SETTING THE HEATING PROGRAM

? Press "✎" once, "◊" is displayed as well as the number 1 and "Mo Tu We Th Fr"
This indicates that you are able to program switching time 1 for the week-day.

? Use Up/Down keys to set the required start time.

? Press "H" to accept this setting.

? Use the Up/Down key to set the required temp.

? Press "H" to accept this setting.

? Repeat for switching times 2-4 week-day.

? After you have programmed times 1-4 for the weekday, you are now able to set the switching times for weekend "Sa   Su" will be displayed.

? Use Up/Down keys to set the required start time.

? Press "H" to accept this setting.

? Use the Up/Down key to set the required temp.

? Repeat for switching times 2-4 for the week-end

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