

## 1) Characteristics

- Power supplied by two 1.5 V alkaline batteries of type LR6 or AA (last for more than 2 years)
- Battery replacement indicator
- Mode selector switch (7 positions)
- Choice of 3 permanent temperature settings - Frost protection, Night-time temperature, Daytime temperature - and one user-programmable cycle per day
- The temperature settings can be programmed as follows : between 5° and 30°C for Night-time and Daytime temperatures and between 5° and 15°C for Frost protection
- Proportional-plus-integral control (category B), time base 15 min
- Stand-by mode
- Transmission frequency : 868 MHz (Standard ETS 300 220)
- Average range between transmitter and receiver : 100m outside, 30m inside.
- Addresses: 65536 combinations
- Digital display
- Enclosure dimensions: 128 x 85 x 31 mm
- Wall mounting or on base
- Degree of protection: IP 30
- Insulation class III

## 2) Installation

### 2.1 Choice of location

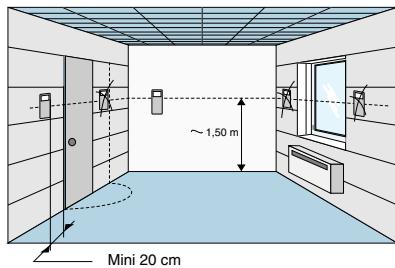
#### 2.1.1 Radio transmission

The location of the thermostat should be chosen carefully as some furnishings could absorb or reflect the radio transmissions.

We therefore advise that the mode of transmission and the quality of reception is checked last (§ 3.4).

#### 2.1.2 Temperature measure

The thermostat must be positioned correctly. The recommended height is 1.5 m in an accessible place, away from heat sources (fireplace, sunlight) and draughts (window, door).



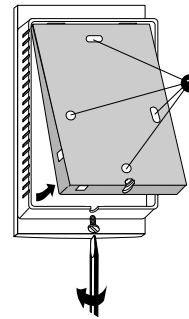
If the thermostat is mounted on its base, it can be used as a real heating remote control and so you can take it with you wherever you are.

### 2.2 Mounting

#### 2.2.1 Wall mounting

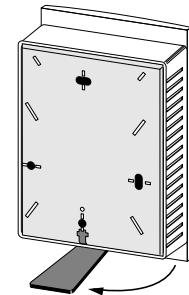
In order to mount the thermostat on the wall, it must be separated from its base, as shown in figure 1.

The base is then fixed to the wall using screws and plugs or on a flush-mounting box (centre-to-centre distance 60 mm) using the holes ①.



#### 2.2.2 Base mounting

The thermostat has a foldaway base and can be used away from its wall mounting. For example it can be placed on a table or other furniture. It must be remembered that its location could have an effect on the transmission of the radio signals and that it must be kept away from direct heat sources and draughts (§ 2.1).



## 3) Set up

### 3.1 Battery installation

Your thermostat is powered by three 1,5V alkaline batteries, type LR6 or AA.

See user guide on the back (§ 5.1).

### 3.2 Time setting

See user guide on the back (§ 5.2).

### 3.3 Programming / Reprogramming

In the programming mode, every receiver can be allocated a transmitter. (When extending your system, it is possible to program several receivers to one transmitter without any problems). Additionally, this mode is also used for checking the transmitting quality.

#### Association d'une sortie de récepteur à un émetteur

① Turn the transmitter's selector switch to the  $\odot$  position

② Press the  $\oplus$  button (3 sec.) until **CnF** appears on the display.

The transmitter sends its data to the receiver



#### ③ Receiver :

- If the green pilot lamp (OK) lights up continuously, the receiver has already been programmed.

To reprogram, keep the button pressed for 10 seconds until the green "OK" lamp starts to flash slowly, then release it.

Press the button on the receiver again.

The green "OK" lamp lights up continuously, the receiver has been reprogrammed.

- If the green pilot lamp (OK) flashes slowly, the receiver has not been programmed.

Press the button on the receiver again. The green "OK" lamp lights up continuously, the receiver has been reprogrammed.

④ Press the  $\oplus$  key on the transmitter to leave programming mode. The receiver's output executes the transmitter's command.

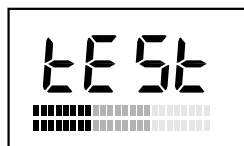
The red pilot lamp  $\text{—}$  indicates the state of the contact.  
On = Contact      Off = No contact

### 3.4 Checking the quality of transmission

① Turn the transmitter switch to the  $\odot$  position.

② Press the  $\ominus$  button (3 sec.) until **tEst** appears on the display.

The transmitter sends its data to the receiver.



The green OK lamp flashes 3 times every time data is received correctly.

③ Press the  $\ominus$  button to leave transmission test mode.

### 3.5 A Problem?

The green "OK" lamp is flashing (the receiver has not received any data for more than an hour).

1) Check the batteries in the transmitter

2) Enter transmission test mode

- If the green "OK" lamp does not flash (3 times) every time data is received move the transmitter to another position

- If the problem continues, reprogram both devices.

DECLARATION "CE" DE CONFORMITE (R&TTE / Emetteur radio)  
DECLARATION OF CE CONFORMITY

CE 0165

Produit : Thermostat électronique radio 868 MHz  
Type : Emetteur (réf. : 7185001)

Satisfait aux dispositions de la (des) Directive(s) du Conseil (complies with the provisions of Council Directives) :  
- R&TTE n°1999/5/CE du 07 avril 1999

Norme de sécurité électrique appliquée :  
Article 3.1a : (protection de la santé et sécurité des utilisateurs)  
Non applicable / Produit de classe III

Normes CEM appliquées  
Article 3.1b : exigences de protection en ce qui concerne la compatibilité électromagnétique  
- ETS 300-683 (1997) / R&TTE - EN 301489\_3 (juil 2000)  
- Certificat de conformité (article 10.2 directive 89/336/CEE)

Norme RADIO appliquée  
Article 3.2 : (utilisation efficace du spectre radioélectrique afin d'éviter les interférences dommageables)  
EN 300-220\_3 V1.1.1 (sept 2000)

Déclarons que les essais radio essentiels ont été effectués.  
(Declare that the essential radio tests have been done)

Le marquage CE 0165 et le marquage d'avertissement  $\text{\textcircled{1}}$  sont apposés sur le produit (The CE marking and the warning marking are printed on the product)

Fait à Bonnemain, le 8 Novembre 2002      Le Responsable des Etudes

Déclaration CE N° : 02/059

Christian DESMONTS

Because of changes in standards and improvements to our equipment, the characteristics given in the text and illustrations of this document are not binding until confirmed by us.  
2700kxx Rev.1

Equipment consistent with the directives  
CEE 89/335 (Electromagnetic Compatibility), CEE 73/23  
and CEE - R&TTE 1999/05 (radio)  
amended by CEE 93/68 (Low voltage safety).

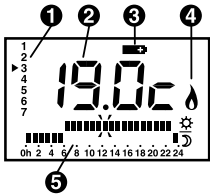


Wireless  
weekly programmable  
room thermostat

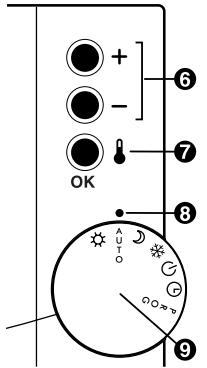
868 MHz



## 4) Description



- 1 Current day
- 2 Temperature display
- 3 Low battery indicator (Battery version)
- 4 Heating output status (On)
- 5 Daily program profile (\*: Comfort, ☾: Economy)
- 6 Modification keys
- 7 Measured temperature display or validation in programming mode
- 8 Selector switch index
- 9 Operating mode selector (7 positions)

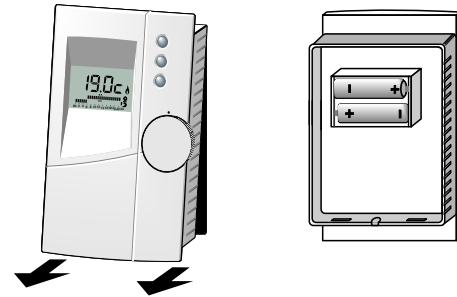


## 5) User settings

### 5.1 Fitting the batteries

Two 1.5 volt *alkaline* batteries of type LR6 or AA (last for more than 2 years).

**Do not use rechargeable batteries.**



To replace used batteries, remove the thermostat from its base. Insert new batteries making sure that they are fitted the right way round. Then replace the thermostat on its base.

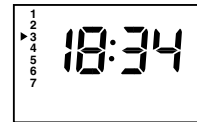
### Battery replacement

When the battery replacement indicator appears, the batteries in the thermostat are flat and must be replaced. Never leave flat batteries in the device (the warranty does not cover damage caused by leaking batteries). New batteries must be fitted within approx. 1 minute to ensure that the programmed information is not lost.

### 5.2 Time setting

Turn the selector switch to the position.

Press  $\oplus$  or  $\ominus$  to adjust the time.



The day changes after every 24 hours.

**Pressing briefly** : advances the time in minute increments

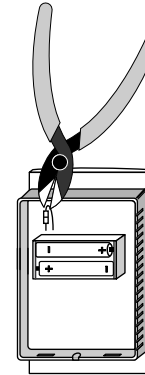
**Press and hold** : Fast forward

## 6) Temperature settings

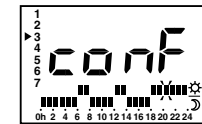
In hot water heating systems, the temperatures are controlled directly by the thermostat.

In electric heating or hot water heating with thermostatic valves, the Comfort temperature is set by adjusting the thermostat on each radiator (the right temperature at the right place).

To do so, cut the strap on the back of the thermostat as shown on the diagram.



Now, the setting of the comfort temperature in this configuration is not possible on the thermostat (display conf).



The economy and frost protection temperature are controlled by the thermostat.

### 6.1 Setting the Frost protection temperature

Default setting : 7 °C

- 1 Turn the selector switch to .
- 2 Press  $\oplus$  or  $\ominus$  to adjust the temperature (between 5 and 15 °C)

### 6.2 Setting the Economy temperature

Default setting : 16 °C

- 1 Turn the selector switch to .
- 2 Press  $\oplus$  or  $\ominus$  to adjust the temperature (between 5 and 30 °C)

### 6.3 Setting the Comfort temperature

Default setting : 19 °C

- 1 Turn the selector switch to .
- 2 Press  $\oplus$  or  $\ominus$  to adjust the temperature (between 5 and 30 °C)

### 6.4 Temperature display

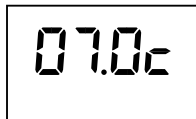
Press the key.

The thermostat displays four dashes.

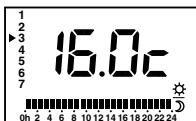
## 7) Define your weekly programming

You have 4 preset programs. You can select one of them by turning the selector switch.

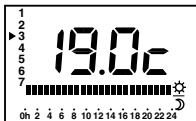
Permanent Frost protection (adjustable from 5 to 15 °C)



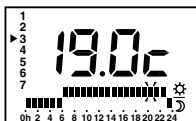
Permanent Economy (adjustable from 5 to 30 °C)



Permanent Comfort (adjustable from 5 to 30 °C)



At the first use, Comfort from 6 a.m. to 23 p.m. for each day of the week.



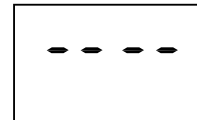
You can modify this program.

## 8) Heating shutdown / Stand-by mode

The thermostat is switched to stand-by mode in periods when heating is not required.

Switch the selector to position .

The thermostat displays four dashes.



### 7.1 Modifying and validating your program

1 Switch the selector to PROG  
The temperature display disappears and you can see the program for the first day.  
The first time slot flashes.

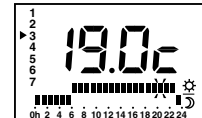
- 2 Press  $\oplus$  for 1 hour of Comfort or  $\ominus$  for 1 hour of Economy (The second time slot flashes)  
**Repeat the same procedure for each time slot.**

- 3 Press immediately to validate and to access to the following day.  
**Repeat the operations 2 and 3 for each day.**

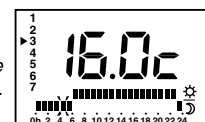
- 4 After programming, switch the selector on AUTO.

**Note** : For modes , and AUTO, the displayed temperature is the temperature setting for the current time period.

e.g. **Day 3, it is 8.15 p.m.**  
The corresponding time period blinks. The comfort temperature is programmed, so its value is displayed.



or **Day 3, it is 4.20 a.m.**



The Economy temperature setting is displayed.

## A problem ?

Problem	Diagnosis / Solutions
Nothing is displayed on the screen.	• <b>No power supply</b> replace the batteries or check their polarities (direction)
The whole display is blinking	The device has just been switched on. Check and if necessary adjust the clock and the temperatures, otherwise press a key.
The  symbol appears.	• <b>The batteries are discharged.</b> Replace the batteries