

Intellitherm Plus

the intelligent and simple thermostat



WARNING TO ENSURE THE *Intellitherm Plus* OPERATES CORRECTLY PLEASE CARRY OUT THE FOLLOWING INSTALLATION PROCEDURES:

1 - FIX THE BASE TO THE WALL

Intellitherm C46 is supplied with a base for assembly onto 3-module embedded boxes or for assembly onto wall, applying the equipped spacers. Fix the chronothermostat 1.5 mt. from floor, away from, heat sources, windows and doors. Ensure that the base is perfectly level.


2- MAKE ELECTRICAL CONNECTIONS

Connect terminals 1-2 to the heating plant. When ambient temperature increases, the relay opens terminal 1-2 and closes 1-4.

Terminal 4 is free and can be used for signalling or other uses.

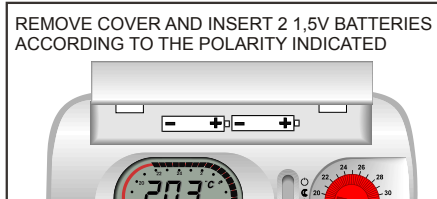
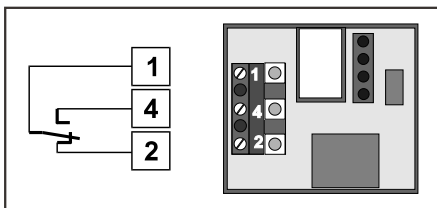
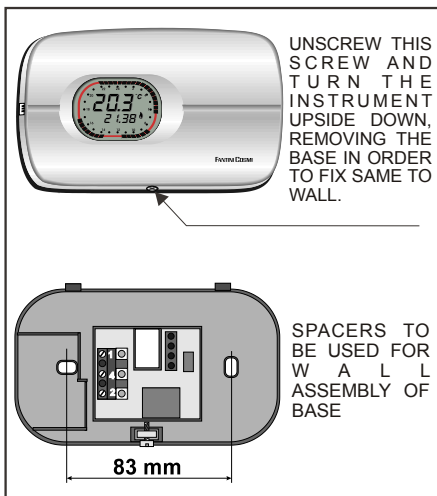
3- MOUNT THE CHRONOTHERMOSTAT ON TO THE BASE

4 - INSERT THE BATTERIES




Insert two 1,5 V long-life alkaline AA stylo long life batteries, noting the indicated polarities. The battery pack may last two years: when the battery  charge becomes insufficient, a symbol of a battery will flash on the display.

If batteries are not replaced within 15 days, Intellitherm Plus C46 will switch off automatically and **OFF** only will appear on the display.

Please note, should the above procedures not be carried out in the correct sequence then there is a possibility that the programmed command times may be adversely effected, this is also the case should the C46 be mounted on the base with the batteries already fitted. On either occasion it will be necessary to reset by pressing the reset button and re-program the chronothermostat.



DISPLAY *Intellitherm Plus*

Ambient temperature, hour, eventual heat requirement  or cooling requirement  during summer, together with the indication of insufficient battery  power can be read on display at any moment. A program crown is also present on the display, representing a 24 hour clock, divided into 48 sectors, one for every half an hour, coloured in either **red** or **black**: red indicates the **comfort** temperature time periods present; **black** indicates the saving temperature time period.

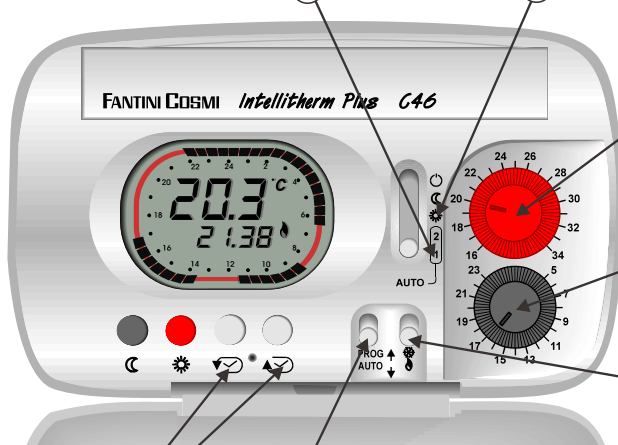
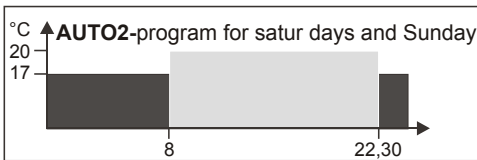
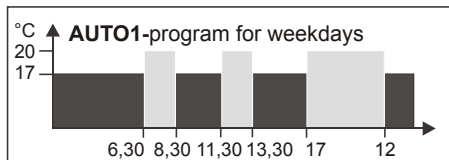
UTILIZE *Intellitherm Plus* WITH STANDARD PROGRAMS,

the times and temperatures factory set.

After having installed and connected same, it is necessary to carry out in sequence, the simple operations numbered in red:


Please note each operation will only remain programmed if the chronothermostat was fitted to the connected base prior to the insertion of the batteries, otherwise it will be necessary to reset by pressing the reset button.

1 - With the commutator, choose the type of automatic program:



2 - Set the comfort temperature desired with red knob (i.e. 20°C)

3 - Set the saving temperature desired with black knob (i.e. 17°C)

4 - Check that the switch is down on winter position 

7- Set actual time
This operation may be carried out even before all other operations.

6 - Check that the switch is in **AUTO** position automatic)

5 - **PROGRAMMING** (to be overlooked if already set STANDARD programs are utilized, as described at point 1).
For personal programming, carry out operations from 5A to 5E on the following page.

OTHER *Intellitherm Plus* PROGRAMS



ANTI-FROST - maintains the ambient temperature steady at 8°C in order to protect the plant from freezing dangers. This program may be utilized when the house is unoccupied.

ALWAYS SAVING - maintains saving temperature set by black knob steady throughout both day and night

ALWAYS COMFORT - maintains comfort temperature set by red knob steady throughout both day and night.

INTELLITHERM PLUS PERSONAL PROGRAMING

Intellitherm Plus programming is very simple: it is merely necessary to change the sector colours on the crown in correspondence with the hours desired.

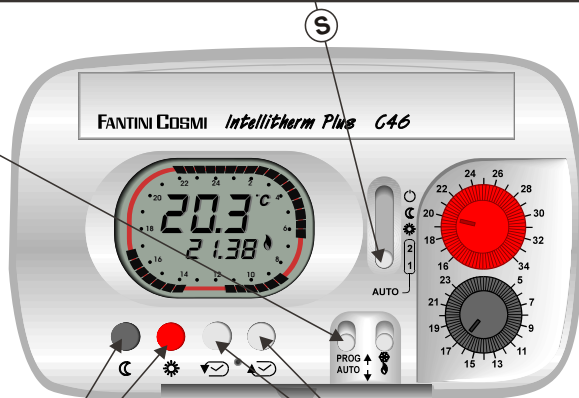
Red colour for the hours with comfort temperature, black colour for the hours with saving temperature.



Follow the simple operations numbered in red:

Please note each operation will only remain programmed if the chronothermostat was fitted to the connected base prior to the insertion of the batteries, otherwise it will be necessary to reset by pressing the reset button the program will then revert to the preset standard, canceling the personalized program.

5A - Position the switch **S** on the program to be modified (**AUTO 1** for weekdays or **AUTO 2** for Sundays and public holidays)



5B - Move the switch **P** upwards to **PROG** position (programming). The display shows the hours 00.00 and the crown's flashing cursor automatically positions itself on the first sector after 24 hours.



5C - Press the keys   to colour the crown sectors. every time black key is pressed, the sector becomes black and the cursor moves on half an hour. every time the red key is pressed, the sector becomes red and the cursor moves on half an hour. to move the cursor along the crown without modifying the colour of the sectors, use the keys:



Press RESET key standard programme is reactivated, every change is canceled

5D - With the keys   the cursor moves (forwards or backwards) onto the sector where it is desired to change the colour.

5E - On carrying out the modifications, remember to return the switch **P** to the **AUTO** position and to set **actual time** (point 7)

JOLLY FUNCTION

With Intellitherm Plus, it is possible at any time to temporarily exclude the automatic program, without modifying it, obtaining a continuous comfort or saving temperature from 1 to 240 hours.

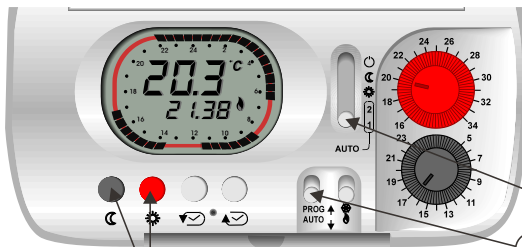
1 - Switch **S** in the **AUTO 1** or **AUTO 2** position

2 - Switch **P** in the **AUTO** position

3 - Press the red (or black) key to set the number of hours (shown on display) for which it is desired to exclude the automatic program and temporarily "force" the comfort (or saving) temperature. The crown on the display will be coloured entirely with the chosen temperature.

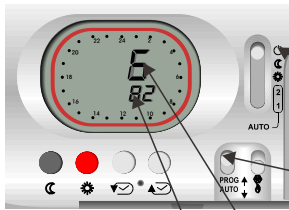
Once the set time has expired, Intellitherm Plus will again reset to the automatic program.

To reduce or exclude the **JOLLY** period before forecasted, press the key for the opposite colour to that of the crown on the display.



FUNCTIONS CARRIED OUT

Intellitherm Plus



PLANT WORKING HOURS

With Intellitherm Plus it is possible to find out for how many hours heat has been requested (closed relay - ON) the previous day and from the beginning of Intellitherm Plus functioning i.e. from the insertion of batteries or from a Reset.

S

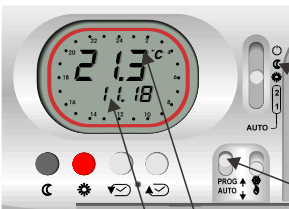
P

1 - Commuter S in position

2 - Switch P in position PROG

3 - Reading of the previous day's working hours

4 - Reading of working hours from start-up.



PREVIOUS DAY'S MINIMUM AND MAXIMUM AMBIENT TEMPERATURES

With Intellitherm Plus it is possible to check the **MINIMUM** and **MAXIMUM** temperatures reached by environment during the previous day together

S

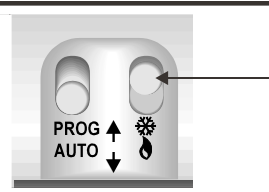
P

1 - Switch S in position (Saving) for the **MINIMUM** temperature or in position (comfort) for the **MAXIMUM** temperature

2 - Switch P to the **PROG** position

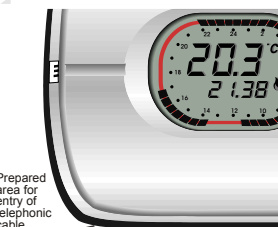
3 - Reading of **MINIMUM** or **MAXIMUM** ambient temperatures

4 - Reading of the hours with the **MINIMUM** or temperatures were recorded



SUMMER OPERATION - AIR CONDITIONING

When switch is moved onto **SUMMER** position, Intellitherm Plus is set to cooling. With the red knob the comfort temperature can be set and the operation of black knob for saving temperature inhibited. The red sectors of the programming crown therefore indicate the operational times for cooling only.



Prepared area for entry of telephonic cable

TELEPHONIC ACTIVATOR

Intellitherm Plus C46 is pre-arranged for connection to telephonic activator. This accessory permits the remote control of the chronothermostat through the telephone line. The activator is equipped with a voice synthesizer, thereby allowing for a simple and immediate use. In addition, it also permits to check ambient temperature at a distance, together with the correct operation of the chronothermostat.

TECHNICAL CHARACTERISTICS

- Contact carrying capacity 5(3)A230V A.C.
- Micro-disconnection (1B)
- Volt free changeover contact
- T45 °C (max. room temperature)
- Regulation of comfort temperature from 16 to 34 °C
- Regulation of saving temperature from 5 to 23 °C
- Differential 0,25 °C
- Datum thermal gradient 4° K/h
- Anti-frost temperature preset at 8 °C

- Protection to IP20 (normal pollution)
- Powered by two 1,5 alkaline stylo long life type batteries, no connection required.
- Batteries duration approximately two years.
- Display flashes at battery end of life.
- Battery replacement without losing the established data in memory.
- Switch for winter or summer operation
- Reset key for reset of pre-set program
- Dimensions 140x84x32 mm