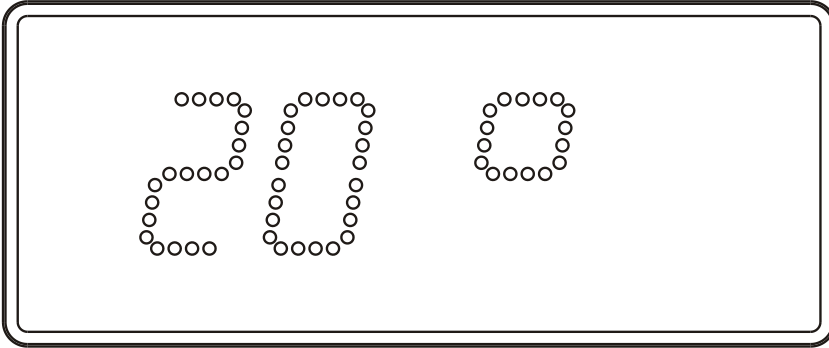


# Style 7T



## Temperature display

INSTALLATION AND OPERATING INSTRUCTIONS



B.P. 1  
49340 TRÉMENTINES  
FRANCE  
Tél. : 02 41 71 72 00  
Fax : 02 41 71 72 01  
[www.bodet.com](http://www.bodet.com)



Réf.: 607018 C

When receiving goods please check nothing is broken otherwise make a claim near shipping company.

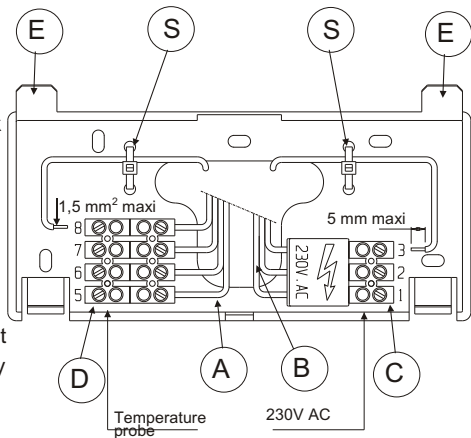
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## 1) INITIAL CHECKS

- In its original packaging, each *Style* clock is supplied clipped onto its wall holder, together with a cleaning kit (impregnated anti-static cloth), a bag containing 3 screws, 3 rawlplugs and one 33 Ohm resistor. This resistor is only used for French serial time distribution.

- Unclip the holder (A) : insert your finger at the base of the opening (B), then pull firmly towards you.



- **IMPORTANT** : product information.

Two descriptive labels are affixed to the back of the clock, and visible once the holder has been removed. One of them indicates the following information : clock model, power supply, type of clock (refer to information below), other information such as the colour for example. Check that the *Style* clock which has been delivered to you is suitable for the intended mode of operation.

**Any operation not complying with the present instructions can cause irreversible damage to the clock, and renders the warranty invalid.**

## **2) SECURITY RULES :**

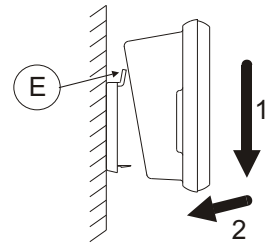
- The installation and the maintenance service of this clock has to be done by skilled person.
- The installation has to be done according to the standard (NFC 15-100 for France).
- According to the environment :
  - Mounting of the waterproof casing (Ref 936691 + 936307) for swimming pool or outdoor use (outside area volume 0 and 1). For areas volume 2, it is necessary to install a differential circuit breaker 30mA.
- The supply device of this display must have a maximum breaker 6A phase / neutral resetting. **This switch must be switched off for maintenance.**
- The display must be fixed on the wall before starting up.
- It is forbidden and dangerous to immerse the display or to clean it with a spray. If the place has to be cleaned up with a jet, remove or protect in advance the display.
- The temperature sensor cable must not be closed to the high-voltage cables (so as not to disturb the communication between the display and the probe).
- This product should be installed in residential, commercial or light industrial environments.

***Any operation not complying with the present instructions can cause irreversible damage to the display, and renders the warranty invalid.***

### **3) ELECTRIC POWER SUPPLY INSTALLATION FOR STYLE CLOCKS**

- Wall mounting : Fix the holder (A) in the chosen position, using the 3 rawlplugs and 3 screws supplied.
  - Mounting on vertical bracket or ceiling bracket : the holder (A) fits the single-sided mounting bracket, P/N 936301, the double-sided mounting bracket, P/N 936300, and the double-sided chain suspension P/N 936302. Use the tapping screws supplied with the bracket.
  - An embedded plate for Style 7 and Style 7T is also available, Ref 936305.
  - The Style 7 or Style 7T can also be installed in a waterproof casing (IP 54), Ref 936907. See installation manual of the casing.
  - Remove the black protective cover (covering the terminal strip (C)). Connect up the 115 or 230 Volt 50/60 Hz mains supply line to the terminal strip : Live and Neutral on terminals 1 and 2 (Wire max. section : 1.5 mm<sup>2</sup> with 5 mm bare). As this clock is classified on the 2<sup>nd</sup> level, the connection to the earth is not required because it is not used.
- Connect the temperature probe on the connector (D).
- Put the protective cover back in place. Lock the wires with collars (S).
- N.B.: *Style* clocks have been designed for a 115 or 230 Volt ± 10 % mains supply.
- This clock is protected by a fuse (F1).

- Clip the clock onto its holder, by introducing the two studs (E) into the two corresponding openings made in the back of the clock, and then by pressing firmly on the lower part of the clock, until it clicks into place. Take care not to jam the cables during this operation.
- The clock can be subsequently unclipped from its holder, by pulling the lower part of the clock firmly towards you, and then by removing it via the top.
- You may now configure your *Style* display, and adjust the display brightness.
- Remove the protective sheet from the front panel and use the anti-static cloth to clean the clock.

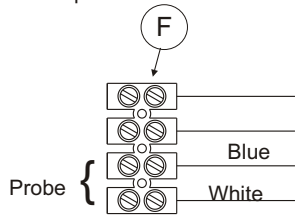


## 4) CONNECTING A TEMPERATURE PROBE

The maximum cable distance between the display and the probe temperature is **100 meters**.

Before installation, plan the routing of cable for the temperature sensor and measure the length of cable necessary to the display.

After determining the location of each element, proceed to the installation.



Use 2 pairs 6/10 if the length exceeds 50 m (100 m max.).

Use 1 pair 6/10 if the length is less than 50 m.

Calibration of the thermometer. To adjust the temperature measured before displaying it, you can do a manual calibration, using the two push-buttons located at the back. It is possible to program a change of -9 to +9 ° C (at 1 ° C), to compensate for any difference (see § 6 configuration).

### 4.1 - INSTALLATION OF THE PROBE FOR AIR TEMPERATURE :

Install the probe for air temperature in a ventilated area, sheltered from sun and rain (for outdoor installation). The location of the probe must be carefully chosen to ensure a correct temperature.

Avoid facade, heat metal parts and air flow (for more information, refer to meteorological standards).

Fixing point of the air temperature probe.

If possible, no touch of the resin part to prevent heat conduction.

### 4.2 - INSTALLATION OF THE PROBE FOR WATER TEMPERATURE:

The temperature probe is inserted into an inox probe pipe.

- Having determined where the tube is to be positioned, drill the refill pipe to 19 Ø then tap using the special hand tapping set 1/2 CG (cylindrical gas).

- Screw the pipe corresponding to the diameter of the tube concerned with Teflon to ensure watertightness. There are two dimensions for the pipe: L = 100 mm or L = 150 mm.

Be careful not to tighten the pipe too hard, leave a space of 2 to 3 mm.

Use Teflon tape such as those used for plumbing work.

- Insert the temperature probe after having previously filled the pipe at  $\frac{3}{4}$  with grease. The temperature probe must be inserted into the pipe with classic grease to ensure a good heat conduction.
- The temperature measurement is performed in the discharge pipe corresponding to the water temperature at the surface of the basin (the cooler water).
- The installation of for the temperature measurement in the pipes supplying water for the swimming pool is not recommended since it requires draining the water because of the pressure.

## 5) LOCATION OF THE “SELECT” AND “+” KEYS

- These two keys are located on the back of the clock, on the left.
- The “**Select**” key is above the “+” key”.

## 6) CONFIGURATION

- |                                      |  |
|--------------------------------------|--|
| If brief press on “+” :              | Adjustment of the LED brightness.  |
| If press for 3 seconds “on “+” :     | Display of the version number, LED test and then return to display of the measured temperature.  |
| If short press on “Select” :         | No action.   |
| If press for 3 seconds on “Select” : | Setting of the temperature variation from -9 to +9 ° C (at 1 ° C).<br>Example: Display 25° ambient temperature 26° = +1°.<br>Press “+” to calibrate the temperature<br>Confirm by pressing “Select”. |

A brief self-test (ON OFF), is performed automatically when you exit the configuration menu.

## 7) SPECIFIC DISPLAYS

Overtaking of the display values.

- |            |                                       |
|------------|---------------------------------------|
| If display | there is no probe connected.          |
| If display | the temperature measured is < - 9°C.  |
| If display | the temperature measured is > + 39°C. |

## 8) DISPLAY BRIGHTNESS ADJUSTMENT

- The display brightness can be adjusted when the *Style* clock is in normal operating mode, i.e. when the clock is neither in the "configuration" menu, nor in the "time-setting" menu.
- By pressing the "+" key several times in succession, you can directly select the level of display brightness most suited to the level of ambient lighting, from the four brightness levels proposed.

## 9) TECHNICAL FEATURES

The *Style* clocks are compliant to the electromagnetic standard 89/336/CEE.

They are designed for indoor use.

They are compliant with the following european standards :

NF EN 55022 (December 1994) .

NF EN 50082-1 (june 1992).

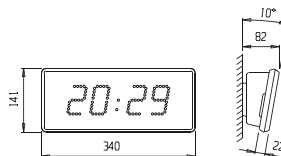
EN 60950.

- Power supply : 115 or 230 V  $\pm$  10 % 50/60 Hz.
- Data back-up : permanent.
- Operating temperature : -9° to +39°C.
- Protection index : IP30.

These clocks are protected by a fuse (F1).

### *Style* 7 T

- Dimensions :
- Weight : 1,1 Kg
- Maximal nominal current: 65 mA.



Wall bracket

