

# Style 5S Clock / Timer



Installation and operating instructions



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

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## 1) INITIAL CHECK

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***CAUTION: maintenance of this equipment must be carried out by qualified personnel. Any changes made to the product lead to loss of the guarantee.***

Read the enclosed leaflet entitled "General safety instructions and precautions for use of BODET products" before installation.

- IMPORTANT: Product information labels.

Two information labels are attached on the back of the clock. One of them indicates the model of the clock (Style 5, Style 7, etc.), the operating voltage, the type of clock and various other items of information. Check that the Style clock supplied to you corresponds to the planned use.

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### REC. AFNOR

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The clock must be integrated in a coded time distribution network complying with the AFNOR standard or IRIG B extended DIEM.

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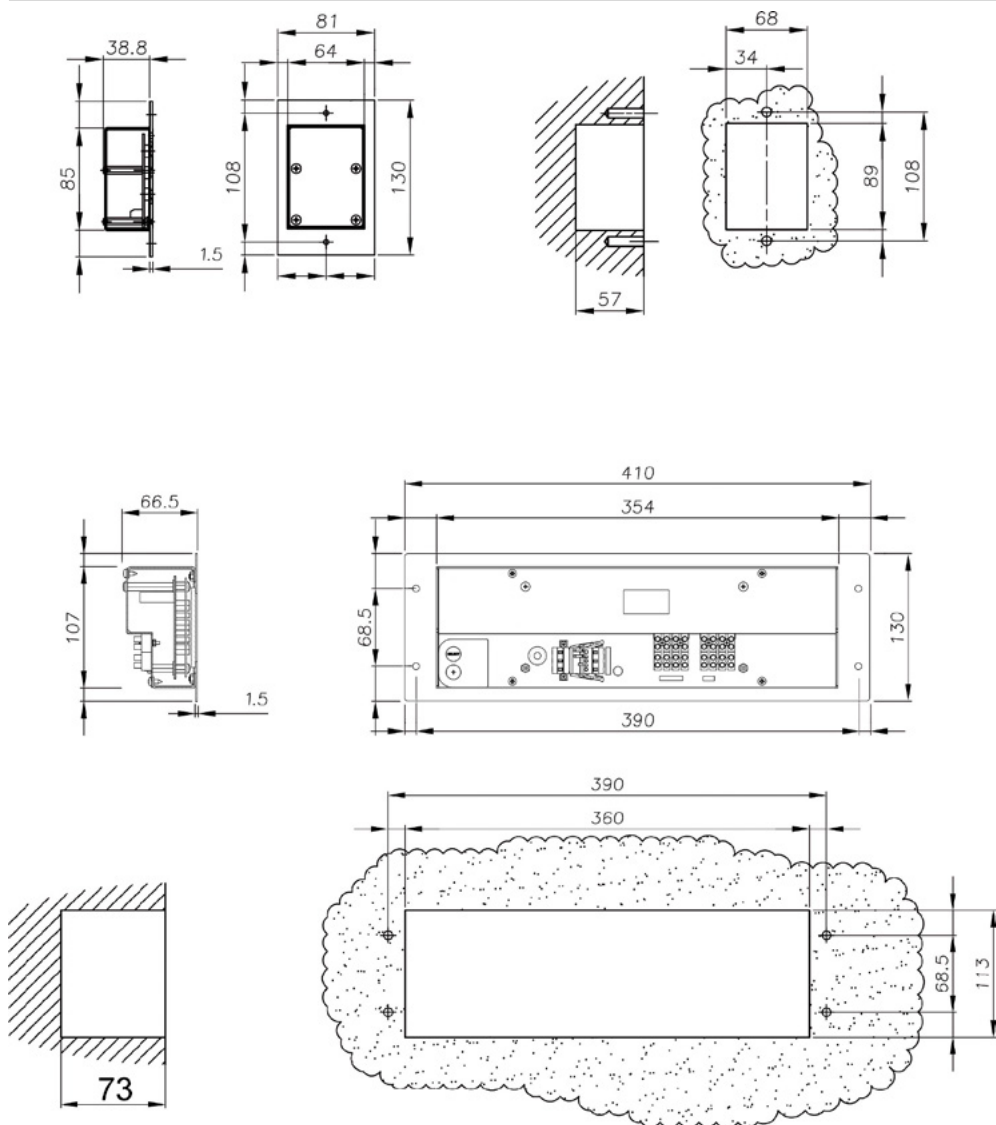
### IND.-M-1/2M

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The clock can be configured in independent mode, or integrated in a time distribution network controlled by a master clock sending impulses (minute or half-minute, on a serial or parallel link).

Any use not in accordance with these instructions may cause irreparable damage to the clock, and renders the guarantee null and void.

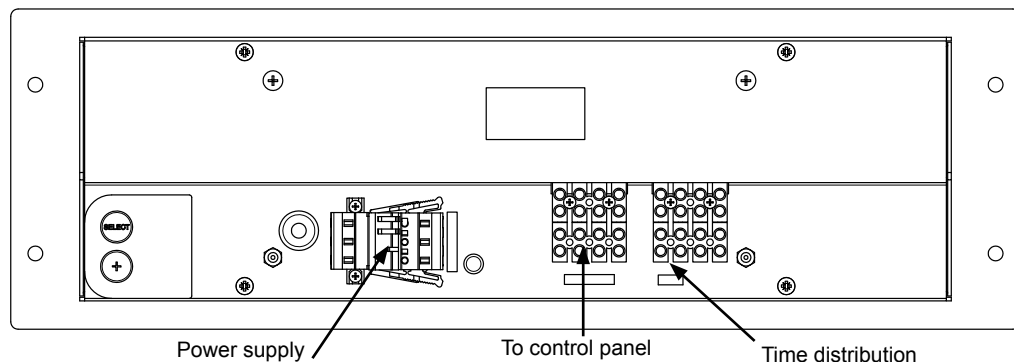
## 2) MECHANICAL INSTALLATION



Install the clock and its control panel in their positions.

The watertightness is accomplished at installation time by a silicon gasket between the front panel and the wall.

### 3) ELECTRICAL INSTALLATION



The electronics of this clock is protected by a fuse (F1).

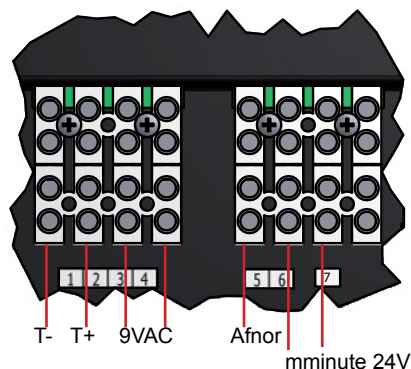
Connect the keyboard to the clock (terminals 1 to 4).

Connect the coded time line (AFNOR: terminals 5 and 6 / Minute 24V: terminals 6 and 7). There is no polarity. Two wires (brown / white) for connection on AFNOR line or 24 V minute impulses depending on the model.

Connect the 230 Volt 50/60 Hz mains power supply (do not switch on before the control panel and the time distribution are connected).

Setting of the clock to the correct time is automatic in AFNOR mode and manual in the autonomous or 24 V minute impulse version (see section 7, page 6).

Programming and brightness adjustment are carried out with the two programming keys "SELECT" and "+".



### 4) POSITION OF "SELECT" AND "+" KEYS

- These two keys are on the back of the clock, on the right.
- The "Select" key is above the "+" key.

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## 5) ADJUSTING THE BRIGHTNESS

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- The brightness can be adjusted when the Style clock is in normal operating mode, i.e. when it is neither in the configuration menu nor in the time setting menu.
- Press the “+” key successively to directly select the display brightness best suited to the ambient lighting from the four levels proposed.

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## 6) TIMER FUNCTIONING

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The timer is controlled by the remote control panel; the time continues to be managed whatever the operating mode (independent or receiver).

The timer can function in count-up mode.

Controls available:

- TIME key (5) with LED

- \* used to select the time display.

- \* This key is taken into account even when the timer is in operation (without stopping the timer).

- TIMER key (7) with LED

- \* used to select the operating mode of the timer (count-up from 0:00 00 to 23:00 00).

- START/STOP key (3)

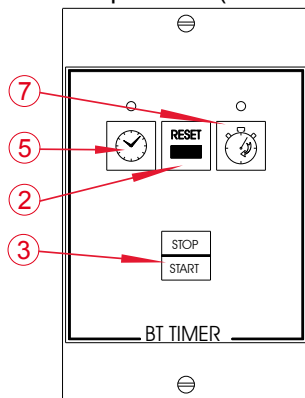
- \* starts and stops the timer.

- \* This key is active only in timer mode.

- RESET key: (2)

- \* This key is active only in timer mode and when the timer is stopped.

- \* Pressing this key resets the counter to zero.



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## 7) CONFIGURATION

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To access this menu, press the “SELECT” key, hold it down and press the “+” key for 3 seconds.

Caution: the seconds are reset to zero automatically when you enter the configuration menu.

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### a - Operating mode

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The clock displays (in accordance with the model) the last operating mode selected:

Operating mode	Display
Independent	Ind
Minute Receiver	Min
Half-Minute Receiver	1:20
Calibration	Cal
Coded Time Receiver	Cod
World Clock	LOC

Select the required operating mode using the “+” key.

Remark: check that the selected mode corresponds both to the required use (for example, minute receiver) and to the clock’s information label (for example, “Ind.-Impuls.”).

When the selected mode, for example “Ind”, appears on the display, press the “Select” key to validate it. Do not validate Calibration mode, which is reserved for the manufacturer.

In “World Clock” mode, it calculates and displays the local time using the coded time information received and its summer/winter time change (paragraph c) and time difference (paragraph d) parameters.

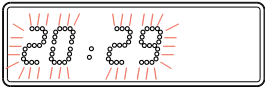
Remark: you can exit from this menu at any time. Simply press the “Select” key, hold it down and press the “+” key. Then release both keys.

**b - Choosing the display**

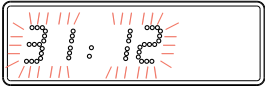
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Use the “+” key to choose the required display from the following four options :

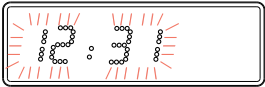
- Current time flashing (for example 20:29). This option corresponds to the most frequent use: permanent display of the time.



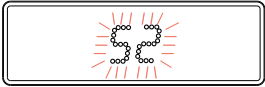
- “31 12” flashing: this option corresponds to alternate display of the time and the date (day and month).



- “12 31” flashing: this option corresponds to alternate display of the time and the date in American format (month and day).



- “52” flashing. This option corresponds to alternate display of the time and the week number.



Validate by pressing the “Select” key. You will then exit from the configuration menu.

**c - Selecting the summer/winter time change.**

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Summer/winter time changes can be made automatically only on independent or radio-synchronised clocks.

In the case of a minute or half-minute receiver clock, this selection is not active: the Style clock will always comply with the impulses of the master clock.

Use the “+” key to select the country serving as a reference for the summer/winter time change dates.

Reference country	Display
No change	G nt
Europe, apart from United Kingdom	E ur
United Kingdom	Gb
United States/Canada	I nd

Press the “Select” key.



## d - Configuring the time difference

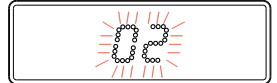
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The time difference (00 by default) flashes.

This menu allows you to impose a difference between the time displayed and the time received. It is therefore used only if the operating mode chosen is "LOC" (world clock).



- Select the time difference, from -15 h to +15 h, using the "+" key.



The time difference chosen will take effect only after 3 correct receptions of the radio message, or approximately 4 minutes.

Press the "Select" key again to exit from the configuration menu. The clock then returns to the display mode corresponding to its normal use.

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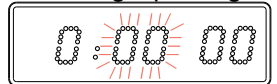
## 8) TIME SETTING

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Setting of the clock to the correct time is automatic in AFNOR mode and manual in the autonomous or 24 V minute impulse version.

The button on the control panel must be set to the "time" position.

a - With the normal display on the readout, or with "Bat" displayed following a prolonged mains failure, press the "Select" key.

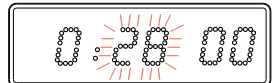


The clock displays the time, and the minutes flash.

- Press the "+" key to increment the minutes (when you hold the key down, the minutes advance rapidly). Every time the "+" key is pressed the seconds are reset to zero.

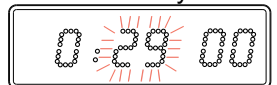
Precise setting of seconds on an independent clock:

- Call the speaking clock.



Use the "+" key to set the Style clock to the current minute. For example, if the speaking clock says "twenty twenty-eight and twenty seconds", use the "+" key to display "28".

- When the speaking clocks says "twenty twenty-nine", press the "+" key on the fourth "beep".

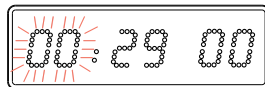


This increments the minute figure (from "28" to "29") and at the same time resets the seconds to zero.

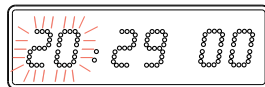
When the required value for the minutes is reached, press the "Select" key.

b - The minutes stop flashing and the hour flashes.

- Adjust the hour with the “+” key and then validate by pressing the “Select” key.

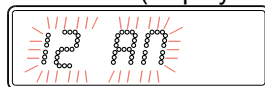


Remark: you can exit from this menu at any time without going through all the functions. Simply press the “Select” key, hold it down and press the “+” key. Then release both keys.



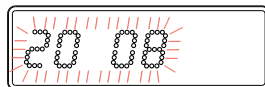
c - The clock displays “24 H” (time display from 0:00 to 23:59) or “12 AM” (display for English-speaking countries from 1:00 to 12:59).

- Use the “+” key to choose between these two options. Validate by pressing the “Select” key.



d - The year flashes.

- Select the current year (from 1993 to 2092) using the “+” key and then validate by pressing the “Select” key.



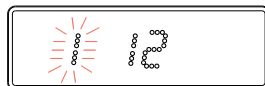
e - The month flashes.

- Select the current month using the “+” key and then validate by pressing the “Select” key.



f - The day of the month (1 to 31) flashes.

- Select the day of the month using the “+” key and then validate by pressing the “Select” key.



You will then exit from time setting menu.

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## **9) MEMORY BACKUP**

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- Style clocks have a system enabling them to store all configuration parameters even in the event of a prolonged mains failure.
- However, the date and the time may be “lost” following an exceptionally long mains failure (lasting more than one week). In this case, when the mains power supply is restored, the clock displays “Bat”. This occurs in particular with a new clock.
- When the clock displays “Bat”, it is necessary to reset it to the correct time (section 8). However, resetting to the correct time and date is automatic for a radio-synchronised clock linked to an antenna with “Europe” as the reference country.

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## **10) TECHNICAL CHARACTERISTICS**

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Style clocks comply with electromagnetic compatibility directive 89/336/ EEC.

They are designed for a residential, commercial or industrial environment.

They comply with the following European standards :

NF EN 55022 (December 1994): radio interference produced by information processing devices.

NF EN 50082-1 (June 1992) generic standard for immunity / electromagnetic compatibility.

Style clocks comply with Low Voltage Directive 73/23/EEC by reference to standard EN 60950.

- Power supply: 230 V  $\pm$ 10% 50/60 Hz.
- Time and date backup in the event of mains failure: 1 week.
- Backup of other parameters: permanent.
- Operating temperature: -5 to +50°C.
- Protection index: IP54.

The electronics of these clocks is protected by a 0.8 A time-delay fuse (F1).

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## **11) CLEANING**

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Use an antistatic product similar to that supplied in the original packaging.

Never use alcohol, acetone or other solvents liable to damage the casing and the filter of your Style clock.

