

1

Unpack and check the good condition the equipment.

Fix the master clock and the transmitter. Avoid basement and place the higher possible in a place without interference. Under no circumstances the transmitter should be directly fixed on a metallic surface.

2 **With Microquartz Alfa**

Connect the transmitter to the master clock.

2b **With Microquartz Delta**

Connect the transmitter to the master clock. Switch on the power. Set the master clock in "low voltage" mode.

2c **With Microquartz Sigma**

Connect the transmitter to the master clock. Switch on the power.

3 **Transmitter**

To install the DHF slave clocks, put the DHF transmitter in "Initialisation" mode by switching the DIP on "Init". The orange LED blinks. This mode will remain active for 4 hours, then the LED will switch off and you will have to repeat the procedure to continue the installation. Once all the clocks are synchronised, push the DIP of the transmitter back to "normal mode".

4

The transmitter is delivered preset to channel 1. To change the transmission channel, turn the coded wheel. Caution: to be synchronised, slave clocks must be in "initialisation" mode.

5a **Cristalys clock**

Caution: to avoid fast discharge of the batteries, put them in the clock only after having started the transmitter

Place yourself where the clock will be installed. Put the batteries, the clock is showing "Init" then is displaying 00:00 until synchronisation.

5b **Style clock**

Connect the clock to the mains and apply the power. The clock is displaying 00h00 SAM 1 JANUV until synchronisation.

5c **Profil clock**

Place yourself where the clock will be installed. Put the batteries. When inserting the batteries, the hands are set to 4, 8 or 12 h. When the clock will get the DHF signal, it will automatically synchronise.

6

Leds	■ ■	■ ■	■ ■	■ ■
Dips	□ □	■ □	■ ■	■ ■
	0 0	1 0	0 1	1 1
	500mW	25mW	125mW	500mW

NF S87-500C

If some clocks are not synchronised, increase the transmission power.

7

Transmitter

Repeater

If the transmitter does not cover the whole area, install a repeater (ref.: 927240).

Electronic card.

Specifications:

Indoor use.
 Power supply: 13-24 V AC or 9-40 V DC SELV.
 Maximum current : 0,7A max.
 Electrical insulation : Class III
 Operating temperature : -20°C to +70°C
 Radio frequency HF 869,525 MHz.

Ce système répond aux normes :

NORME RADIO : EN 300-220-3
 NORME CEM des Produits RADIO : EN 301-489-3
 NORME de Sécurité : EN 60950.
 Norme AFNOR : NFS 87500.

On first start up of the DHF transmitter.

DIP position :

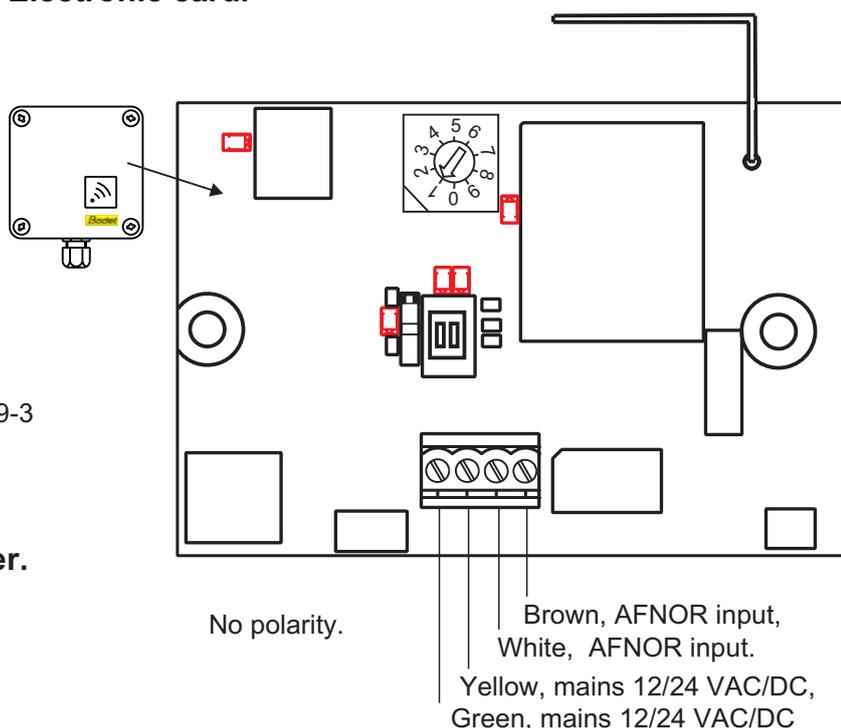
Init in Normal position,
 Power in MED position (125W).

Coded wheel in position 1.

LED status :

Transmission power LED ON (125 mW),
 Green LED for mains presence ON,
 Init LED OFF,

Red transmission LED must blink if the transmitter is properly synchronized. If the LED is OFF, check that the master clock works properly and check the cabling.



Nota: when replacing a DHF transmitter, mind the sticker!

If the DHF transmitter to be replaced does not have a sticker indicating DHF NF S87-500C (round sticker on the box or square one on the board) then put the 2 DIPs (fig. 11) of the new transmitter to OFF. The wireless transmission will be then to the maximum (500 mW) and compatible with the wireless clocks already installed.

What to do if ... ?	Some clocks are not synchronised.	Check that the clocks are in "initialisation" mode. Increase the transmission power of the transmitter (See 6).
	Transmission power set to the maximum, some clocks are still not synchronised.	Add a repeater (See 7).
	You are close to an existing wireless clock system.	Change the transmission channel (See 4).
	You want to add clocks.	Set the transmitter in "initialisation" mode (See 3). Install the clocks. When synchronisation is completed, switch the transmitter back to "normal" mode.
	An analog clock remains at noon or digital one at 00h00.	The reception is poor (See 6 or 7).
	An analog clock is blocked to a fixed time or a cristalys clock is off.	Change the batteries.

Set up of a DHF Transmitter

927230



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