


## RADIO TIMING®93

The RT93 is a quartz generator synchronized by an external time source, emitting a secured time code with high accuracy to clocks, master clocks or hardware.

### Security

**Quartz time base** 3.6864 MHz. Accuracy :  $\pm 0,1$  sec/24 h between 20° and 30°C in case of loss of synchronization.  
**Power reserve of time base during 2 days** by an incorporated battery in the absence of mains. Filters protect against surges and industrial interferences.

### Specification

<b>Power supply</b>	230 VAC 10 mA 115 VAC
<b>Certifications</b>	CE, EN 60950, EN 55022, EN 55024, ROHS
<b>Maximal consumption</b>	5 VA
<b>IP</b>	54
<b>MTBF</b>	120 000h.
<b>MTTR</b>	10 min.
<b>Weight</b>	0,8 Kg
<b>Dimension</b>	180x130x100 mm (LxHxP)
<b>Operating temperature</b>	-20° to 70°C
<b>Storage temperature</b>	-20° to 80°C
<b>Electrical equipment classification</b>	Class 2 

### Key features

- IP 54 waterproof case.
- EMC protection filter, against voltage surges and industrial interferences.
- 5 LED indicators : mains, synchronization, time base, AFNOR code output, ASCII code output.

### Synchronization inputs

- **Standalone with quartz sync by :**
  - DCF(Europe).
  - AFNOR NFS87500 (IRIG B).
  - ASCII RS 422-485.
  - ASCII RS 232C.

### Synchronization outputs

- AFNOR NFS 87500 (IRIG B) 1000Hz. Accuracy :20µs
- ASCII RS 232C.
- ASCII RS 422-485.
- ASCII RS 232 on SUB D.

ITEM CODE					
4628	/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		↑	↑	↑	
INPUT		D	B	A	R
Radio synchronisation on DCF. Active antenna + 4m of cable	<input type="checkbox"/>				
AFNOR NFS87500 (IRIG B) input	<input type="checkbox"/>				
ASCII RS 232C input	<input type="checkbox"/>				
ASCII RS 422-485 input	<input type="checkbox"/>				
POWER SUPPLY		0	1	6	
Standard : 230VAC/50-60Hz	<input type="checkbox"/>				
115VAC/50-60Hz	<input type="checkbox"/>				
127 VAC/50-60Hz	<input type="checkbox"/>				
OUTPUT OPTION		8	A	R	C
AFNOR NFS 87500 (IRIG B)	<input type="checkbox"/>				
ASCII RS 232C (*)	<input type="checkbox"/>				
or ASCII RS 422-485 (*)	<input type="checkbox"/>				
or ASCII RS232 C on SUB D	<input type="checkbox"/>				
Tropicalization	<input type="checkbox"/>				U

(\*)ASCII RS232C or RS422 outputs can be combined with the AFNOR NFS 87500 (IRIG B) output. They are broadcasted every second in uni or bi-directional mode. Speed, Stop bit, Format et Parity configurable by using internal switch.

