



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 : ± 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.

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

Specifications

Power supply	230 VAC 10 mA Or 115 VAC or 127 VAC
Certifications	CE, EN 60950, EN 55022, EN 55024, ROHS
Maximum consumption	5 VA
IP	54
MTBF	120 000 h
MTR	10 min
Weight	0.8 kg
Dimension	180x130x100 mm (LxHxD)
Operating temperature	- 20° to 70°C
Storage temperature	- 20° to 80°C
Electrical equipment classification	Class 2 

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	/		
VERSION					
DCF Radiosynchronization (antenna not included)	<input type="checkbox"/>	D			
AFNOR NFS87500 (IRIG B) synchronization input	<input type="checkbox"/>	8			
ASCII RS 232C synchronization input	<input type="checkbox"/>	A			
ASCII RS 422-485 synchronization input	<input type="checkbox"/>	R			
POWER SUPPLY					
Standard: 230VAC – 50/60Hz	<input type="checkbox"/>	0			
115VAC – 50/60Hz	<input type="checkbox"/>	1			
127 VAC – 50/60Hz	<input type="checkbox"/>	3			
AFNOR OUTPUT OPTION					
Without output option					0
AFNOR NFS 87500 (IRIG B)	<input type="checkbox"/>				8
ASCII OUTPUT OPTION					
Without output option					0
⁽¹⁾ ASCII RS 232C	<input type="checkbox"/>				A
Or ⁽¹⁾ ASCII RS 422-485	<input type="checkbox"/>				R
Or ASCII RS232C on SUB D	<input type="checkbox"/>				C
Tropicalization	<input type="checkbox"/>				U

(1) The ASCII RS232C or RS422 outputs can be combined with the AFNOR NFS 87500 (IRIG B) output. They are transmitted every second in uni or bi-directional mode. Speed, Stop bit, Format and Parity can be set by internal switch.

		ITEM CODE
ANTENNA		
DCF Antenna with 4m cable	<input type="checkbox"/>	3D6
DCF Antenna with 7m cable	<input type="checkbox"/>	3D7