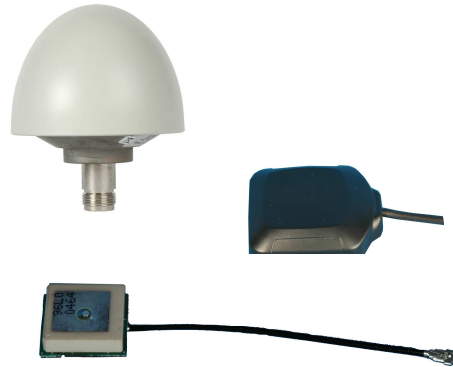


RADIO TIMING® B GPS



The generator RTB GPS® is a receiver of GPS satellite system (Global Positioning System) delivering the time information in AFNOR NFS 87-500 / IRIGB AC code with a high accuracy on long distances with a single telephone pair.

Internal time base

- XO Quartz:
Frequency stability 2.10^{-6} (10°C to 30°C).
- Ageing $1,5.10^{-8}$ / day.

Specifications

Power supply	230 VAC/115 VAC 18-72 VDC/12 or 24 VDC
Certifications	CE, EN 60950 (security) et CEI 60950 ROHS
Maximal consumption	20 VA
IP	66
MTBF	90 000 h.
MTTR	Mother board : 10 min.
Weight	0.9 Kg
Dimension	180 x 130 x 76 mm.
Display	LED in case
Operating temperature	-20° to 70°C
Storage temperature	-20° to 80°C

Key features

- **GPS receiver** AFNOR NFS 87500 / IRIGB modulated output carrier 1KHz level 2.2V galvanic isolation by transformer.
- **Distance between GPS antenna and the RTB GPS** up to 50m depending on the version.
- Several kilometers of **distance between the RTB GPS and the master clock up to 40 km** on a simple phone pair.
- **Accuracy : 20 µs.**
- **Protection filter**, against over voltage and industrial noise
- IP 66 case.
- Tropicalized product.

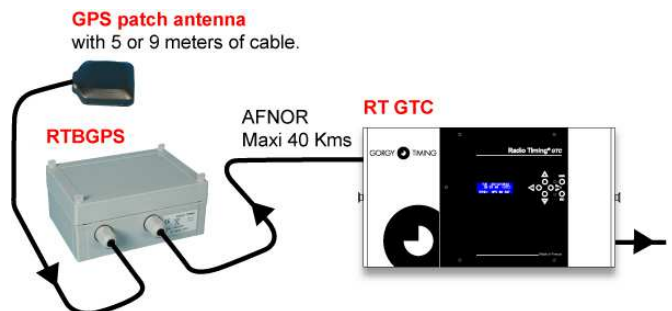
Configuration

Time zone programming of delivered IRIG B or AFNOR NFS87500 code.

Synchronization input

- GPS integrated antenna.
- GPS patch antenna with 5 or 9 meters of cable.
- GPS Bullet antenna with 25 or 50 meters of cable.

Wiring example :



RADIO TIMING B GPS

		ITEM CODE					
		4	0	4	/		
			↑	↑	↑		
VERSION							
Standard : AFNOR NFS 87500 (IRIG B) output <input type="checkbox"/>		8					
POWER SUPPLY							
Standard : 230VAC/50-60Hz <input type="checkbox"/>			0				
115VAC/50-60Hz <input type="checkbox"/>			1				
18 to 72 VDC <input type="checkbox"/>			9				
OPTION ANTENNE							
Standard : Integrated GPS antenna <input type="checkbox"/>					0		
Or Patch antenna with 5m cable <input type="checkbox"/>					P		
Or Patch antenna with 9m cable (5m + 4m extension) <input type="checkbox"/>					N		
Or GPS Bullet active antenna 35 dB with 25m cable <input type="checkbox"/>					Q		
Or GPS Bullet active antenna 35 dB with 50m cable <input type="checkbox"/>					R		