

RADIO TIMING® CP09



The master clock RTCP09 allows programming relays ringtones, synchronization of network clocks and computer network . Annual programming of holidays and vacations . Configuration and supervision via Ethernet.

Features

- **Automatic time setting** upon mains connection according to synchronization source .
- Pre programmed daylight saving time.
- **Remote programming via a WEB interface** (Ethernet network or cross over cable) .
- Weekly programming.
- **Annual programming for holidays and vacations.**

Supervision

Communication on Ethernet, easy configuration via WEB pages(IHM user friendly).

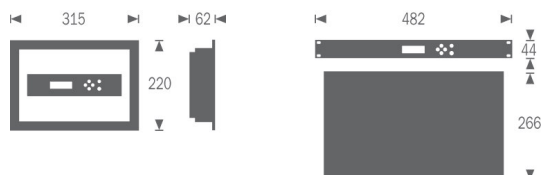
Integrated supervision via SNMP V2.c protocol.

Security

Memorization of time information by lithium battery.
Memorization of pulses output by lithium battery.
Backup configuration settings in flash memory.

Specifications

Power supply	230 VAC/50-60Hz 115 VAC/50-60Hz POE 802-3 af 12 VDC 24 VDC 48 VDC
Certifications	CE, EN 60950, EN 55022, EN 55024 ROHS
Maximal consumption	12,3 VA
IP	30 IK9 (wall mounted case)
MTBF	47 330 h.
MTTR	Mother board : 10 min. Display board : 5 min. Power board : 5 min. Output board : 5 min.
Weight	Wall mount : 2,3 Kg Rack 19" 1U :2,5 Kg
Dimension	Wall mount : 315x220x62 mm (LxHxP) Rack 19" 1U : 482x44x266 mm (LxHxP)
Display	LCD graphics 4 lines 20 backlit characters, blue
Operating temperature	0° to 50°C
Storage temperature	-20° to 80° C



Key features

- Remote configuration and **time setting via Ethernet.**
- **Supervision via HTTP, SNMP, Telnet.** "GT Network Manager" Windows® NT/XP/2000/2003/Vista(32 bits)/Windows 7.
- **TCXO oscillator** temperature compensated quartz.
- Accuracy of time base about 0.1 sec / day from **0 to 40°C.**
- Lithium battery : **10 years saving information**, time and date.
- Security of the programs provided by the flash memory storage.
- POE power supply (Power Over Ethernet).
- **Wall mounted case on rotating frame** or rack 19" 1U.

Synchronization inputs

- **Standalone with radiosync. TCXO quartz by :**
 - DCF (Europe).
 - France Inter (Europe).
 - GPS antenna without power supply up to 100m on a single telephone pair (via a GPS/DCF converter).
 - AFNOR NFS 87500 (IRIG B).
 - ASCII RS232, RS422 / 485.
 - NTP server(s) on Ethernet 10/100BaseT(RJ45connectic).

Synchronization outputs

- Parallel reversed pulsed minute 24V/1A or ½ serial minute.
- AFNOR NFS 87500/IRIG B1000Hz (millisecond accuracy).
- NTP : Network Time Protocol RFC 1305, millisecond accuracy.
- Radio DHW 869Mhz output.
- ASCII RS 422-485.
- ASCII RS232.

Programmer

Annual programmer taking into account holidays and vacations, independent dry contact relay outputs, voltage free (breaking capacity 10A : 250V).

- **4, 8 or 12 independent** dry contact relays (breaking power 10A/250V).
- **Easy programming via Ethernet.**



RADIO TIMING® CP09

ITEM CODE					
92140	/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		↑	↑	↑	↑

CASE									
Wall mount	<input type="checkbox"/>	1							
Rack	<input checked="" type="checkbox"/>	3							
VERSION									
Standalone : TCXO time base 32.768 MHz Accuracy +/- 0.1 sec/24 h (between 20 and 30 °C)	<input type="checkbox"/>	2							
France Inter radiosynchronization. Antenna + 4m cable	<input checked="" type="checkbox"/>	F							
DCF radiosynchronization. Antenna + 4m cable	<input checked="" type="checkbox"/>	D							
AFNOR NFS 87500 (IRIG B) synchronization 1Kz modulated	<input checked="" type="checkbox"/>	8							
GPS synchronization (antenna + 10m cable) **	<input checked="" type="checkbox"/>	G							
ASCII RS 232 synchronization	<input checked="" type="checkbox"/>	B							
ASCII 422/485 synchronization	<input checked="" type="checkbox"/>	Q							
NTP Ethernet 10/100 base T synchronization	<input type="checkbox"/>	N							
POWER SUPPLY									
Standard : 230VAC/50-60Hz	<input type="checkbox"/>	0							
115VAC/50-60Hz	<input checked="" type="checkbox"/>	1							
230V power supply with pulse option	<input type="checkbox"/>	A							
115V power supply with pulse option	<input checked="" type="checkbox"/>	B							
Power Over Ethernet (POE) <i>(Do not associate with the pulse outputs options: 3 and 5)</i>	<input checked="" type="checkbox"/>	7							
TBT 12 VDC power supply	<input checked="" type="checkbox"/>	2							
TBT 24 VDC power supply	<input checked="" type="checkbox"/>	4							
TBT 48 VDC power supply	<input checked="" type="checkbox"/>	6							
RELAY OUTPUTS									
No relay output	<input type="checkbox"/>	0							
Programmer : 4 relays outputs	<input checked="" type="checkbox"/>	4							
Programmer : 8 relays outputs	<input checked="" type="checkbox"/>	8							
Programmer : 12 relays outputs	<input checked="" type="checkbox"/>	A							
OPTIONS*									
NTP/SNTP output	<input type="checkbox"/>	N							
AFNOR NFS 87500 (IRIG B) output	<input checked="" type="checkbox"/>	8							
ASCII RS232 output or : ASCII RS422-485 output <i>(Do not associate with ASCII input versions)</i>	<input checked="" type="checkbox"/>	A							
Parallel reversed pulse minute 24V/1A <i>(Operate only with 230VAC or 115 VAC power supply)</i>	<input checked="" type="checkbox"/>	3							
Or 1/2 minute reversed serial minute output <i>(Operate only with 230VAC or 115 VAC power supply)</i>	<input checked="" type="checkbox"/>	5							
DHW 869.525 Mhz output	<input checked="" type="checkbox"/>	L							
Specification	<input checked="" type="checkbox"/>	S							

OPTION : CONFIGURATION - Net HT price : 50 euros

Ability to configure and program the equipment in the factory according to the customer information. In that case, add an extra line in the order.

(*)OPTIONS : options redundancy is not possible , however, it is possible to combine different options (1 NTP output + 1 AFNOR output + 1 ASCII output + 1 pulse output + 1 DHW output, but not 2 NTP outputs or 2 AFNOR outputs...).

(**)GPS antenna extension cable: add an extra line in the order-prices available in data base « Spare parts » 25m/ 50m/ 80m.