



RADIO TIMING® GTC Casing

Master clock with built-in programmer unit and impulse output (either 1A/24V parallel minute impulse or half- minute serial reversed pulse).

*Automatic and programmable Daylight Saving Time.
Automatic time setting when switched on*

Internal Time Base

Microprocessor quartz time base, Radiosynchronisable: 3.6864 MHz
Accuracy: +/- 0.1 sec/24 hours between 20°C to + 30°C

Security

- In case of power failure, back up of Time keeping and Program for up to 10 years ensured by lithium battery.
- Memorization of impulses and rapid synchronization of slave clocks when power is on.
- Protection filter against over voltage and industrial interferences

Specifications

Power supply possible	230 VAC – 50/60Hz – 3 points screw terminal block 115 VAC – 50/60Hz – 3 points screw terminal block
Certifications	CE, EN 60950 (safety), EN 55022 (EMC transmission), EN 55024 (EMC immunity)
Maximal Consumption	45 VA
IP	20
MTBF	100 000 h
MTTR	Mother board: 10 min Display board: 5 min Output board: 5 min
Weight	2 kg
Dimensions	373 x 206 x 82,5 mm (LxHxD) DIN rail mountable
Display	LCD graphics 4 lines 20 backlit characters blue
Operating temperature	-10° to 50°C
Storage temperature	-20° to 70°C

Key features

- Display of date and time on LCD screen.
- Compact Product
- Easy programming via front panel keyboard.
- back up of Time keeping and Program for up to 10 years ensured by lithium battery.
- Program retaining ensured by flash memory storage

Synchronization inputs

- DCF 77kHz (Europe)
- GPS without external power supply up to 100m on a single pair tel cable (via a GPS/DCF converter)
- AFNOR NFS 87-500 (IRIG B)
- ASCII RS 232
- ASCII RS 422/485

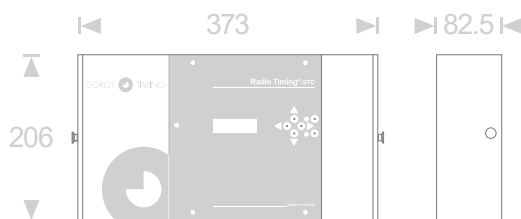
Synchronization outputs

- Default parallel reversed pulsed minute 24V/1A or ½ serial minute. (can drive up to 140 units of GORGY TIME clocks.)
- AFNOR NFS 87-500/IRIG B 1000Hz Time code output. Millisecond accuracy. (can drive up to 250 units of GORGY TIME clocks.)
- ASCII RS422/485
- ASCII RS232

Programmer

Built-in weekly programmer can also be used for annual events schedules such as: national holidays and school vacations. It operates on Timing or ON/OFF mode.

- Programming by keyboard on front face
- 3 independent relays, voltage-free output, breaking capacity 250 volts 10 A
- 1 pre-wired 230-volt output relay, 10A breaking capacity
- Option: 2 additional dry-contact relays



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		ITEM CODE					
		4580	/				
VERSION SYNCHRONIZATION INPUT							
Standalone	☐	2					
AFNOR NFS 87-500 / IRIG B Receiver – 2 points screw terminal block	☐	8					
⁽¹⁾ DCF Radiosynchronization (antenna not included) – 2 points screw terminal block	☐	D					
⁽¹⁾⁽²⁾ GPS synchronization without time offset (antenna not included) – 2 points screw terminal block	☐	G					
⁽¹⁾⁽²⁾ GPS synchronization with time offset (antenna not included) – 2 points screw terminal block	☐	J					
ASCII RS 232 (GT) synchronization – 5 points screw terminal block	☐	A					
ASCII RS 485 (GT) Synchronization – 5 points screw terminal block	☐	R					
ASCII RS 232 (hor quartz HQ) Synchronization – 5 points screw terminal block	☐	H					
ASCII RS 422/485 (hor quartz HQ) Synchronization – 5 points screw terminal block	☐	Q					
POWER SUPPLY							
230 VAC – 50/60Hz	☐	0					
115 VAC – 50/60Hz	☐	1					
PULSE OUTPUTS							
Parallel reversed pulse minute 24V/1A – 2 points screw terminal block	☐	3					
Or 1/2 minute reversed serial minute 48V output – 2 points screw terminal block	☐	5					
AFNOR OUTPUT EXTENSIONS							
Without	☐	0					
With AFNOR NFS 87-500 / IRIG B output – 2 points screw terminal block	☐	8					
ASCII OUTPUT EXTENSIONS							
Without	☐	0					
2 ASCII RS 232 (GT) outputs – 5 points screw terminal block	☐	A					
1 ASCII RS 485 (GT) output – 5 points screw terminal block	☐	R					
1 ASCII RS 232 (hor quartz HQ) output – 5 points screw terminal block	☐	H					
1 ASCII RS 422/485 (hor quartz HQ) output – 5 points screw terminal block	☐	Q					
OPTION							
Without	☐	0					
2 additional dry contact relays – 4 points screw terminal block	☐	R					
OPTION							
Tropicalization	☐	U					

OPTION: CONFIGURATION

Programming of relays and synchronization outputs.

Net Price exc. tax: 124 €

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.

ANTENNA		ITEM CODE	
DCF Antenna with 4m cable	☐	3D6	
DCF Antenna with 7m cable	☐	3D7	
GPS Antenna with 10m cable frozen configuration: local time Europe	☐	3G10-V4	
GPS Antenna with 10m cable DSF configuration (with configurable time offset)	☐	3G10-V3	