



Can store up to 500 melodies. Manages up to 7 outputs with internal Guided instructions on a 5" LCD color display.

FUNCTIONING CHARACTERISTICS

Easy user instructions on a 5" LCD colour display.

Multilingual menu. Automatic daylight saving time. Perpetual liturgical calendar.

Lat., Long and azimuth earth programmable for the automatic calculation of dusk and dawn.

TIME PROGRAMMING:

Perfect synchronism to manage all types of time programming requirements.

Automatic programming of all fixed and variable holy days, automatic daily programming, weekdays, pre-holidays, holidays, weekly, periodic, yearly programming. Modify/checking of any programming. Automatic canceling of programs which will no longer be repeated. Random and cyclical bell sound execution. Quick function buttons for immediate playing. Just the simple touch of a button to view the daily events on the display.

BELL SOUND PROGRAMMING:

Up to 500 bell sounds can be programmed from the display.

Ability to program melodies, tolls, Angelus, peals, bell sounds in sequence selected by number and playing time, etc.

Each bell sound can be repeated, copied, modified, relocate its speed and manipulated in any possible way as well as being played in sequence for a certain amount of minutes and times. Guided instructions which do not require particular abilities, accessible to all.

BELL SOUND:

Hi-Fi audio quality sound. Reproduction of bell sounds of different various bell sizes, from deep bass notes up to the shrill notes, in every possible combination. Digital Control of general volume, low tones and treble. Night service volume. Adjustable volume of the bell peal sound which can be programmed individually according to the size of the bell sound to be reproduced. 200 Watt, class D Digital amplifier.

TOWER CLOCK

Two exits for full management of clock tower hands. Automatic gaining after power cut.

Power supply at 24, 110 or 220 Volts. Impulse every 30, 60 sec.

SECONDARY CLOCK (optional circuit board RL055S)

Full management of secondary clock hands. 12 or 24 hour clock. Adjustable voltage from 12 to 24 Volts 1A. Impulse every 30 or 60 sec.

REAL BELLS

The device can manage up to 4 programmable internal outputs for real bells (4 hammers, 4 motors or any combination hammer/motor).

SERVICES (output n. 5):

1 output for automatic lighting of clock faces, door openings, etc.

HOOR STRIKE

All types of hour strikes available: regional, national and international types according to local traditions.

Hour strike repetitions can be personalized. Automatic Westminster clock with the ability to play any type of melody or bell program before or after hours/quarters strikes.



QUICK FUNCTION KEYS

10 keys for playing recurring bell sounds and for enabling/inhibiting time programmed bell sounds and clock strike.

SAFETY MEASURES:

Access codes can be programmed to prevent tampering.

Hammers individually inhibited when the real bell motors are activated according to the momentum time of each bell peal.

SPECIAL FUNCTIONS/ ACCESSORIES:

- Ability to enable/inhibit time programming, amplifier output, etc. using the remote control.
- All time programming of bell sounds are stored on inererasable un-volatile memory (no power necessary).
- GSM remote control. Allows start-up of a melody or service program by means of a tone telephone or GSM mobile phone.
- Ability to reset clock via radio (optional DCF) or satellite (via optional GPS system).
- Receiver mod. RST-86 for radio time synchronization by means of DCF atomic clock via radio
- Receiver mod. GPS-3600 for radio time synchronization by means of GPS atomic clock via satellite
- GSM-3600 remote control. To start a melody or service program by means of a tone telephone or GSM mobile phone.
- 10.000 channels remote control mod. TX-3500. Functioning range from 300 mts. to 1Km. Frequency: 433 Mhz
- 4 channel remote control mod. TX-4CH. Functioning range up to about 100 mts.
- TCS-3500 Interface to detect power failure (blackout) in the bell tower.

TECHNICAL CHARACTERISTICS:

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|---|---|
| Container | : Metal box |
| Menu viewing | : LCD 5" display |
| Multilingual menu | : Italian, English, French, Spanish, Portuguese, Polish, German Portuguese, Russian, Romanian. |
| Min. time programming time between two melodies | : 1 minute |
| Clock precision | : +/- 0,1 seconds/day |
| Clock precision adjustment | : VIA SOFTWARE +/- 0,1 seconds/month |
| Absolute clock precision adjustment | : VIA RST Receiver (DCF or GPS) |
| Clock memory keeping | : By means of lithium type battery (10 year life) |
| Time & melody programming memory keeping | : Indefinite on volatile flash memory |
| Functioning temperature | : From -10 to + 50 degrees centigrade |
| Rear 2 poles socket | : IN/OUT RS485 data for secondary clock. |
| Mini-Din 4 pole sockets | : DCF - GPS input signal (time & calendar automatic reset), 4 ch. & 1.000 ch. remote control receiver input or GSM |
| Operating power supply | : Internal Power supply with transformer. Input 240vac or 115 (on request) 47-63Hz. |
| Power consumption | : Max. 4 Watt. |
| Data backup | : Internal on flash – external on USB memory. |
| Number of relay outputs | : Max. 7 |
| Management max. of hammers, motors, clock | : Max. 6 programmable internal relay output. |
| Management max. of service prg. | : Max. 1 internal relay for service program. |

DIMENSIONS & WEIGHTS :

| Size (l x h x d): | Available Versions: |
|------------------------|--|
| 482 x 185 x 270 | DMC370A Digital Carillon Amplified |
| | DMC370A4+1 Digital Carillon Amplified with 4 programmable internal relays + 1 internal relay for service |
| Weight of base: | DMC370A6+1 Digital Carillon Amplified with 6 programmable internal relays + 1 internal relay for service |
| 1.25 kg. | |

REGULATIONS:

This unit has been manufactured according to the safety and immunity rules in force and bears the EEC mark foreseen by EEC directives 89/336.

