



Digital carillon – Amplified 200W.

Some functions can be programmed via Browser, Wireless, Ethernet, Internet or mobile phone, Can store 1.000 melodies, of managing up to 24 relays for real bells via twisted pair or via radio (optional) Guided instructions on a LCD graphic display and PC monitor

FUNCTIONING CHARACTERISTICS:

Easy user instructions on a LCD graphic Alphanumeric display. Multilingual menu. Up to 1,000 melodies, remote controlled. Automatic daylight saving time. Perpetual liturgical calendar. Ability to save any type of bell composition and manage all types of time programming requirements.

TIME PROGRAMMING:

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 cancelling of programs which will no longer be repeated. Random and cyclical bell sound execution. Just the simple touch of a button to view the daily events on the display.

BELL SOUND PROGRAMMING:

Up to 1,000 bell sounds can be programmed via video, internal keypad or (optional) external keyboard. 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.

TOWER CLOCK (optional circuit board RL085)

Full management of clock tower hands. Automatic gaining after power cut. Power supply at 24, 115 or 230 Volts. Impulse every 30, 60 or 1 sec.

SECONDARY CLOCK (optional circuit board RL085)

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

REAL BELLS (optional circuit board RL085)

Using twisted pair, fibre optic (optional) or radio connections (optional) the device can manage up to 24 outputs for real bells as well as service programs (turning on lights, opening of doors, etc.).

HOOR STRIKE FOR ELECTRONIC CLOCK or for real bells (optional circuit board RL085)

All types of systems available for hour strikes: regional, national and international types according to local traditions. Hour strike repetitions can be personalised. Automatic Westminster and melodic clock with the ability to play any type of melody or bell program before or after hours/quarters strikes.

SERVICES (optional circuit board RL085):

Automatic lighting of clock faces, door openings, alarms systems, heating/air-conditioning, luminous crosses, enable/inhibit time programming, etc. even by remote control, internet or mobile phone.

QUICK FUNCTION KEYS

5+2 keys for playing recurring bell sounds and for enabling/disabling time programmed bell sounds and clock strike.

SAFETY MEASURES:

Access codes can be programmed to prevent tampering. Hammers individually disabled when the real bell motors are activated according to the momentum time of each bell peal.

SPECIAL FUNCTIONS:

Ability to detect (via optional interface) power failure of the tower clock if the clock tower is powered by a different tension than the cast bell controller. All time programming of bell sounds and machine configuration are stored on un-volatile memory backup and, inerasable on external SD memory (optional). The 10Mbit/s LAN Ethernet port is integrated in the device and enables you to gain access to some of the menus inside the machine via Internet network by means of an IP address.

GSM remote control to start any program by means of a tone telephone or GSM mobile phone.

Ability to adjust clock via radio (DCF optional) or satellite (GPS optional).

DIGITAL CARILLON

Ability to individually program the volume on each bell peal according to the bell size. Hi-Fi quality audio reproducing different bell sounds of various dimensions from the deepest notes to the highest shrill notes in any type of combination. Chromatic scale can be adjusted. Digital control of general volume, low/high tones and AUX input. The system can function also as a cast bell controller with just the addition of the relay module RL-085.

ACCESSORIES:

- ☐ RST-77.5 receiver for radio synchronisation of the time by means of atomic clock DCF via Radio
- ☐ GPS-9543 receiver for radio synchronisation of the time by means of atomic clock GPS via Satellite
- ☐ GSM -862 module to play any bell sound via tone telephone or mobile phone.
- ☐ TX-3500 remote control – functioning range from 300 mts. to 1 Km. – 433 Mhz frequency
- ☐ TX-4CH four channel remote control – functioning range about 100 mts.
- ☐ MD-61 note dynamic midi keyboard
- ☐ RL-085 Relay board with 8 outputs to manage tower clock, secondary clock or hammers/motors/service programs, etc.
- ☐ TCS-3500 Interface to detect power failure (blackout) in the bell tower.

TECHNICAL CHARACTERISTICS:

Container	: Metal box
Menu viewing	: Large Blue LCD Alphanumeric display, 4 columns by 20 lines
Multilingual menu	: Italian, English, French, Spanish, Portuguese, Polish, German.
Minimum 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
Lan-Ethernet Port	: 10 MBit/s speed
MD61 Keyboard input	: Rear Dsub 15 pole midi standard
Rear 6 poles socket	: IN/OUT RS485 data (interface for RL085 circuit board)
2 Rear 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.

SIZE AND WEIGHT

DMC 850A
version with base
Size (l x h x d):
482 x 176 x 52 mm
Weight: 10 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.

