

# PLN-6TMW Plena Weekly Timer

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Invented for life



- ▶ Two weekly programs
- ▶ 14 Chimes
- ▶ Six contact outputs
- ▶ Automatic daylight/standard time
- ▶ BGM level control

The Plena Weekly Timer is an accurate timer for use in public address systems. It is ideally suited for schools, shopping malls and all other venues that need regularly timed messages, signals or other controls. It is ideally suited for connection to the Plena Message Manager and Voice Alarm System.

## Functions

The unit has two weekly schedules as well as a pause mode, where all actions except the clock display are suspended. Events can be programmed with an accuracy of one minute. There is no limit to the number of events, every minute may have an event associated with it. Each day can have a separate event set, and two schedules can be programmed. The schedule can be selected via the front panel. Each event can trigger:

- A chime
- Any combination of output contacts
- BGM volume change

The timer can broadcast 14 different chimes via the audio throughput. It has six programmable output contacts with relays to connect to other equipment. Programmed contact events can open or close the contact or generate a pulse of a configurable duration. The contacts can also be controlled via buttons on the front panel.

The unit has an audio input and output to attenuate BGM signals. The volume can be controlled directly from the front panel, or programmed to change level at fixed times, for example, to automatically attenuate music in the morning or evening hours. It can automatically revert to the programmed level at the next event.

The timer has a clock sync input to synchronize the time with an external source but can also take the correct time from a PC. This way it can synchronize with a time server. The timer clock also keeps track of the date, ensuring correct weekday display and automatic daylight/standard time setting. (According to European, North American, user defined dates or off). The timer has a 24 V backup power input with reverse-polarity protection as well as a back up battery that preserves the correct clock setting. Synchronization and programming is done via the USB port. Programming can also be performed via the front panel. An RS-232 connector is available to connect to a large separate display.

## Certifications and approvals

Safety	according to EN 60065
Immunity	according to EN 55103-2
Emission	according to EN 55103-1

Region	Certification
Europe	CE

## Installation/configuration notes



Rear view

## Parts included

Quantity	Component
1	PLN-6TMW Plena Weekly Timer
1	Power cord
1	Set of 19" mounting brackets
1	Plena CD
1	Instructions for use

## Technical specifications

### Electrical

Mains power supply	
Voltage	230/115VAC, $\pm 15\%$ , 50/60 Hz
Max power consumption	30 W
Battery power supply	
Voltage	24 VDC, $+15\% / -15\%$
Current max	1 A
Performance	
Frequency response	20 Hz to 20 kHz (-3 dB)
Total harmonic distortion	< 0.01 % (1kHz)
S/N	<85 dB
Dynamic range	>100 dB
Line input	
Connector	XLR balanced
Sensitivity	1 V
Impedance	>5 kohm
Headroom	>25 dB
Line output	
	1 x

Connector	XLR balanced
Impedance	>100 ohm
Clock	
Accuracy (without sync)	25 °C: better than <2 s/month -10 °C to 55 °C: <3.5 s/month
Sync input	NO, contact closure synchronizes to the nearest hour
Output contacts	
Connector	MC 1,5/6-ST-3,5
Rating	100 V, 1 A, voltage free

### Mechanical

Dimensions (H x W x D)	48 x 440 x 312 mm 1.88 x 17.32 x 12.28 inch (without brackets, with feet) 44 x 483 x 312 mm 1.73 x 19.01 x 12.28 inch (with brackets, without feet)
Weight	Approx. 3 kg
Mounting	Stand-alone, 19" rack
Color	Charcoal with silver

### Environmental

Operating temperature	-10 °C to +55 °C (14 °F to +131 °F)
Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	<95%

## Ordering information

### PLN-6TMW Plena Weekly Timer

Weekly timer for scheduling messages, signals or other controls, such as the timed locking and unlocking of doors.

Order number **PLN-6TMW**

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