

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

for regularly timed messages, signals or other controls.
Order number **PLN-6TMW**

Represented by:

Americas:

Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville MN 55337, USA
Phone: +1-800-392-3497
Fax: +1-800-955-6831
audiosupport@us.bosch.com
www.boschsecurity.com

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security
Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
al.securitysystems@bosch.com
www.boschsecurity.com