

## LW12™



### EN LW12 MicroModule with dimmer

- Remote control via the mains using Marmitek X-10 Commands and with one or more momentary switches.
- Can be used in combination with 'designer' switching material.
- Soft start and smooth dimming features, remembers the last dim setting.
- The module responds to the Marmitek X-10 Commands 'On', 'Dim', 'Bright', 'All Lights On', 'Off' and 'All Off'.
- Can be regulated from 0% lighting to the desired dim setting.
- Makes your X-10 system invisible.
- No extra wires required for installation.
- Dimmer (60W - 250W).

### DE LW12 MicroModul mit Dimmer

- Kann mit Befehlen eines X-10 Senders über das Lichtnetz und mit einem oder mehreren Pulsgebern fernbedient werden.
- Kann in Kombination mit 'Design'-Steckdosen verwendet werden.
- Ausgestattet mit Soft-Start und Soft-Dimm, sowie Speicher für den letzten Dimmstand.
- Das Modul reagiert auf die Marmitek X-10 Befehle 'An', 'Alle Lampen an', 'Aus', 'Alles aus', insofern die Einstellung von Hauscode und Sender identisch sind.
- Kann von 0% auf das gewünschte Dimmniveau geregelt werden.
- Machen Sie Ihr X-10 System unsichtbar.
- Keine zusätzlichen Kabel für den Einbau nötig.
- Dimmer (60W - 250W).

### FR LW12 MicroModule avec interrupteur code

- Peut être activé à distance avec les commandes X-10 Marmitek par le réseau électrique et avec 1 ou plusieurs boutons à impulsion.
- Peut être utilisé en combinaison avec le matériel interrupteur « design ».
- Softstart et Softdim, position de mémoire pour la dernière position code.
- Le module répond aux commandes Marmitek X-10 "ON", "Toutes lumières allumées", "OFF" et "Tout éteint".
- Peut être réglé depuis 0% vers le niveau code désiré.
- Rendez votre système X10 invisible.
- Pas de fils additionnels nécessaires pour incorporer.
- Interrupteur code (60W - 250W).

### ES Micromódulo con regulador LW12

- Puede controlarse a distancia con Marmitek comandos X-10 por la red de alumbrado o utilizando uno o varios conmutadores de impulsos.
- Puede emplearse en combinación con conmutadores de "diseño".
- Memoria para guardar la última posición de regulación. Softstart y softdim.
- El módulo reacciona a los Marmitek comandos X-10 "Encendido", "Encender todas las Luces", "Apagado" y "Apagar todas las Unidades".
- Puede regularse de 0 % al nivel de intensidad deseado.
- Hace desaparecer su sistema X-10.
- No cables adicionales necesarios para el montaje.
- Regulador (60W - 250W).

### IT Micromodulo con dimmer LW12

- Controllabile a distanza sulla rete elettrica, con uno o più interruttori a pulsante, grazie ai comandi X-10 di Marmitek.
- Può essere usato in combinazione con gli interruttori di design.
- Funzione memoria per l'ultima impostazione dimmer. Softstart e softdim.
- Il modulo reagisce ai comandi Marmitek X-10 "On", "All lights on", "Off" e "All Units Off".
- Può essere regolato dallo 0% al livello di luminosità desiderato.
- Rende invisibile il sistema X-10.
- Non richiede cavi addizionali in caso di installazione interna.
- Dimmer (60W - 250W).

### NL LW12 MicroModule met dimmer

- Kan op afstand aangestuurd worden met Marmitek X-10 commando's over het lichtnet en met één of meerdere pulsdruckers.
- Kan gebruikt worden in combinatie met "design" schakelmateriaal.
- Voorzien van soft start en soft dim en geheugen voor de laatste dim stand.
- De module reageert op Marmitek X-10 commando's "Aan", "Alle verlichting aan", "Uit" en "Alles Uit".
- Kan vanuit 0% naar het gewenste dim niveau worden geregeld.
- Maak uw X-10 systeem onzichtbaar.
- Geen extra draden nodig bij inbouw.
- Dimmer (60W - 250W).

# LW12™

The LW12 Micro Module can be mounted behind any standard wall switch, even most designer switches.

It is an X-10 receiver module that can be controlled by any X10 controller or remote control sending X-10 signals. It can also be turned On, Off, Dim or Bright by external momentary action wall switches.

The LW12 reacts to the STANDARD X-10 commands : "All lights On", "All Lights Off", "All Units Off", from any X-10 controller set to its house code, regardless of unit code or alternatively, by individual unit control using "On", "Off", "Dim", "Bright". The unit will also respond to Extended X-10 Messages-Scene: Preset Output, Include in Group, Activate Group, Brighten or Dim Group. See X-10 Code Format for more details (Extended code message type 30hex, 31hex, 36hex and 3Chex.)

House code and unit code are programmed using any X-10 compatible controller. There is an E<sup>2</sup>PROM that stores the house and unit code even when the power is cut.

To install the LW12, only the phase is required at the installation point, no needs for neutral.

Small enough (46\*46\*17mm) to fit into a wallbox behind a standard wall switch.

## Technical data

Supply voltage	230V - 50 Hz
Power consumption	< 0,02 W
Making capacity	60W/230V to 250W/230V for incandescent lamps and halogen light
Signal sensitivity	better than 50 mVpp at 120 kHz
Input impedance	> 180 Ohm (L - N) at 120 kHz
X-10 Key codes to respond to	All units Off, All Lights On, On, Off, Dim, Bright, All Lights Off, extended code 1 type 3
Connection:	Connecting clamps for phase, switched phase and switch (neutral not required)
Ambient temperature:	- 10° C to + 40° C (operation) - 20° C to + 70° C (storage)
Dimensions:	46x46x17mm

## Local Controls

The LW12 module has 1 input to control the built-in dimmer module.

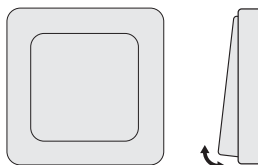
Input. To control the built-in dimmer module using 1-pole momentary switches (normally open contact)

To send ON/OFF/BRIGHT/DIM command to control the build in dimmer module, using one 1-way momentary switch (normally open contact).

How to use a Push-to-make-switch without intermediate setting:

- Short press is ON,
- keeping the button pressed is DIM, BRIGHT, DIM...
- second press is OFF.

More switches can be used in parallel.



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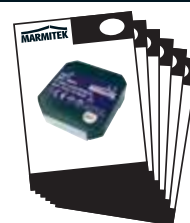


Micro Modules

## Set includes



1x LW12



1x User Manual  
English, Deutsch  
Français, Español,  
Italiano, Nederlands

## Order information

LW12™	Art. nr. 09611
Universal box size (LxWxH)	90 x 74 x 144 mm with euroslot