# X-10

## INSTALLATION INSTRUCTIONS FOR SW10G

**Switch off appropriate mains fuse !**

**Important**: 230V - 50Hz - 6A max.

(not supplied with unit)
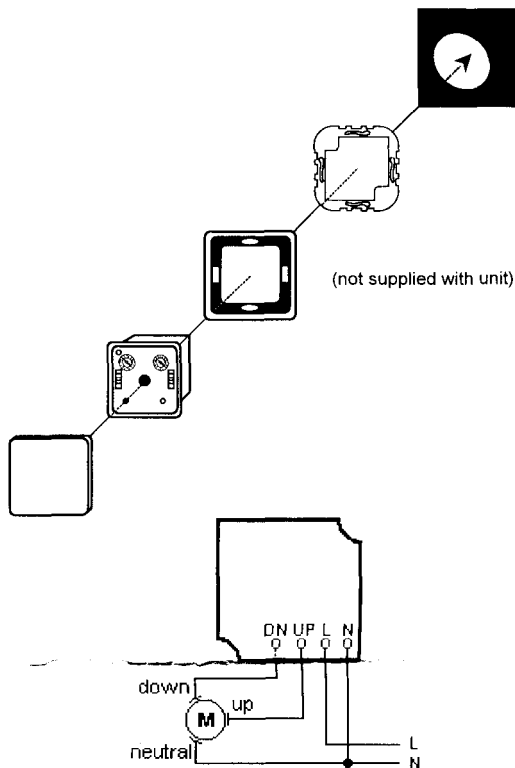
- Take off switch cover, remove both screws and take off the mounting plate.

- Mount the mounting plate onto the flush mounting box with four countersunk screws. Position the plastic decor frame; supplied by others.

- Connect cables: phase to L, neutral to N, motor up to up, motor down to DN and motor neutral to N.

- When connected, position shutter switch on the mounting plate and reinsert both screws.

**Now the control electronics has to be calibrated in order to adjust to the time the shutter motors needs from « fully closed » to « fully open » :**
- Switch on mains fuse.
- With the aid of a screwdriver, adjust both rotary switches to ✿ (calibration).
- Put the switch cover back on and use the switch to drive the shutter all the way up..
- Now press the push-button ↓ until the shutter is completely closed.
- Release the button as soon as the shutter is closed. The electronics measure the elapsed time and stores it internally so that the switch always knows the position of the shutter.
- Now the same procedure for the opposite direction : press and hold push-button ↑ until the shutter is fully open, then release the button.
- Take the switch cover off again.
- Set the rotary code switches on the front side to the desired device address (e.g. E13) with a screwdriver, and note this address down in a list.
- Put the switch cover back on

The calibration is now completed. The internal electronics have measured and stored the time for raising and lowering the shutter. These values will not be lost even in case of mains failure.

**When the unit receives a message, it will operate as follows with "standard" X-10:**
* "OFF" message : - shutter fully closed.
* "ON" message : - shutter fully open.
* DIM or BRIGHT message : - shutter open by 50%.

**For details of the "professional" X-10 function, please contact X-10 Europe.**

**Important notice:**
As with the other receiver modules, the device address can be changed easily at any time without disconnecting any cables. After the installation of the X-10 controllers, all receiver modules have first to be checked for correct function and address !

# X-10

## TROUBLESHOOTING

In general X-10 products are extremely easy to install and very reliable. Like other electronic equipment, they do require proper set-up for correct operation. If you experience a problem, go through these troubleshooting aids.

Having trouble with just one device...

- Does the X-10 controller work with other modules ? If it doesn't refer to « Things to check if NOTHING works ».
- Is the module you are trying to control completely plugged into the wall outlet ?
- Is the switch for the light or appliance you are trying to control turned on ?
- Does the light or appliance work OK if you plug it directly into an outlet ?
- Is the module plugged into a surge protector ? A surge protector might block signals from your interface or controller.
- Noise on your house wiring could cause a module not to work at all or only work intermittently. Although not very likely, as special circuitry has been designed into the X-10 modules and CE product standards require that electrical devices do not generate noise. However check to see if any of these things are operating when you are having problems:

> Wireless intercoms in transmit (talk) mode, Baby Monitors that transmit over your house wiring, Wireless Doorbells that use the house wiring, Laser Printers, Electric Motors (old ones), Electric hair dryers, Electric shavers, Vacuum cleaners, Floor scrubbers, Electric Carving Knives, Food Processors, Blenders, Mixers, Micro-wave ovens.
>
> To determine if you have an interference (noise) problem, unplug anything that you suspect might be causing the problem and try controlling your device again. Noisy devices could be anywhere in your house, but start looking around the area that you are having a problem.
>
> There is a device available called a Plug-in Noise Filter that will reduce the noise interjected onto the house wiring from a noisy device. You plug the noisy device into the filter and then plug the filter into the wall outlet. Contact X-10 Europe for your nearest supplier.

- If you cannot locate any things that are interfering with your system, try using a different Module of the same type at this same location in your home. Remember to set the correct housecode/unit code on the new module. If this fixed the problem, the original module is possibly defective.
If no modules work in that location, you may have a problem with the wall outlet, you may have a noise problem as describe above, or you may have a problem with your house wiring. Contact your local electrician.

Things to check if NOTHING works......

- Is the X-10 controller plugged into a working outlet ? Is the outlet controlled by a wall switch ? If so, is it turned on ?
- Is the Housecode set correctly ?
- If you still cannot control any modules, plug your controller and module into the same outlet (using a non surge protected outlet strip, if necessary). See if you can control this module. If not, contact X-10 Europe for help.
- If it does work correctly with the controller and the module into the same outlet, try plugging the module in where you originally had it. If it doesn't work when you plug the module in somewhere else in your home (try several different locations and several modules of the same type), contact X-10 Europe for help.