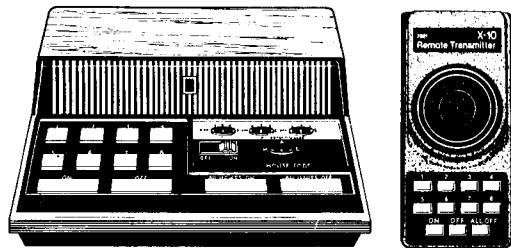


# **X-10<sup>®</sup> POWERHOUSE<sup>™</sup>**

Remote Control System for Lighting and Appliances



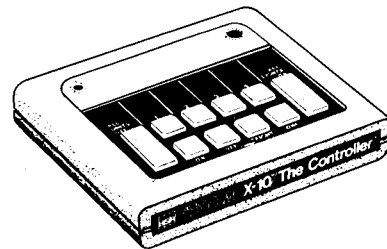
## **Burglar Alarm Interface Owner's Manual**



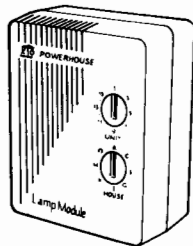
**Telephone Responder  
CAT. NO. TR2700**



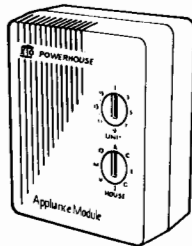
**The Timer  
CAT. NO. TC262**



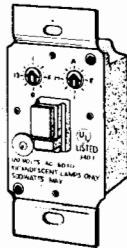
**Mini Controller  
CAT. NO. MC260**



Lamp Module  
CAT. NO. LM465



Appliance Module  
CAT. NO. AM466/AM466



Wall Switch Module  
CAT. NO. WS467



Wall Receptacle Module  
CAT. NO. SR227

The X-10 POWERHOUSE Burglar Alarm Interface will work with virtually any alarm system. It will turn ON lights and alarm sounding devices in your home or office, when activated by your alarm system.

Your alarm system can be anything from normally open contact switches on doors and windows, to sophisticated motion detector or perimeter alarms.

The Burglar Alarm Interface will work in conjunction with other X-10 POWERHOUSE products. You can also use it alone or independent of other systems in the same home or office.

In either case, this unit will increase the effectiveness of your burglar alarm system, because a combination of lights going ON and an alarm sounding is the best deterrent.

## 6 INSTALLATION

The Burglar Alarm Interface controls your lights and other devices via Modules (not included). The 4 basic types of Modules: Lamp, Appliance, Wall Receptacle and Wall Switch are described below.

- A) **The Lamp Module** should be used to control incandescent lights, up to 300 watts. When used with one of our other X-10 POWERHOUSE Controllers (such as Cat. No. SC311), the lights can be brightened and dimmed with this Module.
- B) **The Appliance Module** will operate appliances rated up to 15 amps, 1/3 hp. It can also be used with incandescent lights up to 500 watts (400 watt maximum for TV's). Appliance Modules are available with two-prong polarized or three-prong grounded plugs.
- C) **The Wall Receptacle Module** replaces a standard wall outlet. One plug is controlled by the System and the other is not. It can control the same lights/appliances as the Appliance Module, but has a full 15 Amp rating.
- D) **The Wall Switch Module** replaces a standard wall switch. It can control incandescent lights, up to 500 watts. It will dim and brighten the lights when used with one of our other X-10 POWERHOUSE Controllers (such as Cat. No. SC311).

## SETTING UP THE MODULES

7

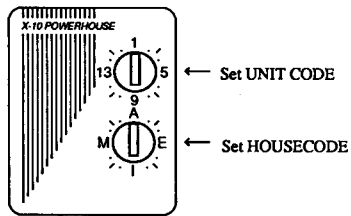
**Important:** If you are operating the Burglar Alarm Interface without other X-10 POWERHOUSE products, we strongly recommend you use Wall Switch Modules for the lights you wish to activate with the alarm. This way you can turn the lights ON and OFF independently, without activating the alarm. If you wish to control an appliance (such as an alarm bell connected to a DC power source) use Appliance or Wall Receptacle Modules.

Most alarms after tripping will turn off a siren after some pre-determined time. This avoids disconnecting of power by local authorities to stop an annoying siren. It should be noted however, that if a module which is controlling a siren is accidentally turned on from something other than the Burglar Alarm Interface, it will not turn off after a pre-set time.

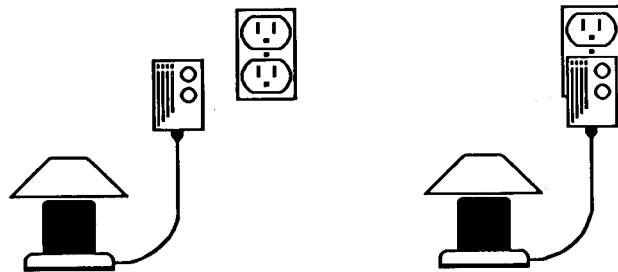
Do not plug a bell or siren directly into the Module, unless it is rated for 120V AC. This could destroy the Module and the bell or siren, as well as presenting a shock hazard.

- 1) Set the **House Code** on the Interface and all Modules you wish to control with the Interface, to the same letter (A - P).
- 2) If you wish to control an appliance (such as a stereo system to scare intruders), set the **Unit Code** on the Interface and all Appliance or Wall Receptacle Modules (to be controlled by the Interface) to the same number (1-16).

If you set a Lamp Module to the same Unit Code as an Appliance Module it will be controlled the same way as the Appliance Module.



- 3) Plug all Lamp and Appliance Modules into 120V outlets and turn ON the lights and appliances connected to the Modules.
- 4) Install Wall Receptacle and Wall Switch Modules, following the instructions on the package, and connect the desired equipment to them. Be sure to turn off the power at the fuse box/circuit breaker, before installing.



## 10 SETTING UP THE INTERFACE

Burglar alarm systems can have several different forms of output when they are activated—dry contact closure (no voltage, as with magnetic or push button switches) or low voltage output (AC, DC or audio).

Before you connect your alarm system to the Interface, you must determine which type of output the system has (refer to the owner's manual or call the manufacturer). Set the INPUT SELECT switch on the Interface to the appropriate position (A - for low voltage/B - for dry contact).

Then connect the output of your alarm system to the Input Terminals on the Interface. Observe correct polarity (+ and -) if the output is low voltage DC.

**WARNING:** DO NOT CONNECT 120V AC TO THE INPUT TERMINALS OF THE INTERFACE.

After all other connections are made, plug the Interface into a 120V, 60Hz AC outlet.

SET TO SAME NUMBER AS APPLIANCE MODULE OR RECEPTACLE USED TO CONTROL APPLIANCE, ETC.

SELECT INPUT TYPE  
A = LOW VOLTAGE INPUT  
B = DRY CONTACT CLOSURE

INPUT TERMINALS



## 12 SETTING THE ALARM MODE

The Interface can operate your lights and appliances in 3 different modes, as described below. The Mode is determined by the MODE SELECT switch setting.

### Mode 1

In Mode 1, all Lamp and Wall Switch Modules (set to the Interface House Code) will be turned ON when the alarm is activated. In addition, Appliance and Wall Receptacle Modules (set to the Interface House **and** Unit Codes) will turn ON. When the alarm is deactivated, all modules set to the same Unit Code as the Interface will turn OFF.

Lamp and Wall Switch Modules will also go OFF if they are set to the same Unit Codes as the Interface. This gives you added flexibility in operating your alarm system.

In all three modes, when the alarm is deactivated, the lights (Lamp and Wall Switch Modules) will stay ON, to indicate there has been an alarm condition.

### Mode 2

In this Mode all lights connected to Lamp and Wall Switch Modules (set to the Interface House Code) will flash ON and OFF when the alarm is activated. The lights will remain ON when the alarm is deactivated.

Any appliance or Wall Receptacle Modules which were ON before activation of the alarm will be left in the OFF position after deactivation.

### Mode 3

All lights connected to Lamp and Wall Switch Modules (set to the Interface House Code) will come ON when the alarm is activated and remain ON when it is deactivated. Appliance and Wall Receptacle Modules will not be affected.



- SELECT MODE
- 1 = ALL LIGHTS ON AND UNIT CODE ON
  - 2 = ALL LIGHTS FLASHING
  - 3 = ALL LIGHTS ON

After you have completed the installation of the Interface and Modules, and have set the desired Mode, you can test the Interface in two ways:

- 1) Activate your burglar alarm system.
- 2) Press the TEST button on the Interface.

When you test the Interface, make sure the Mode you selected performs as described on page 12. If lights or appliances do not come ON as they should, check the following:

- House and Unit Code settings. House Codes settings must be the same on the Interface and all Modules you wish to control. House **and** Unit Code settings must be the same on the Interface and the Appliance and Wall Receptacle Modules you wish to control.
- Make sure the light/appliance switches are ON.
- Make sure the INPUT SELECT switch is set properly.
- If the Interface works when the TEST button is pressed, but not when the alarm system is activated, check the Input Terminal connections.

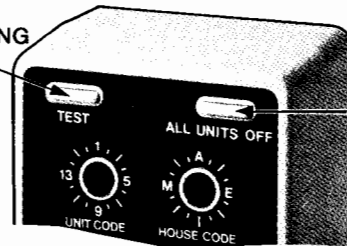
**Note:** Pressing the ALL UNITS OFF button on the Interface will turn OFF all Modules set to the Interface House Code.

### Intercom Systems

Intercom systems which send voice signals over existing electrical wiring will interfere with the X-10 POWERHOUSE when the intercom is in use (it may prevent control of modules). If the intercom has its own separate wiring, it will not interfere.

**Note:** X-10 POWERHOUSE dimmer modules (Lamp or Wall Switch) can, like any dimmer cause interference to AM radios and wireless telephones.

PRESS TO TEST, RELEASING  
LEAVES ALL LIGHTS ON



PRESS TO TURN OFF  
ALL X-10 POWERHOUSE  
MODULES



### **Operating Separately**

If you have another X-10 POWERHOUSE in the same home or office with this Interface, you can operate them completely independently by setting different House Codes on the Interface and the other Control Unit(s) (and the Modules you wish to control with them, respectively).

An example of this type of set-up is:

**Interface:** Control security lighting.

**Note:** In this case we recommend you use Wall Switch Modules to control the lights, so you can turn them ON and OFF without activating the alarm.

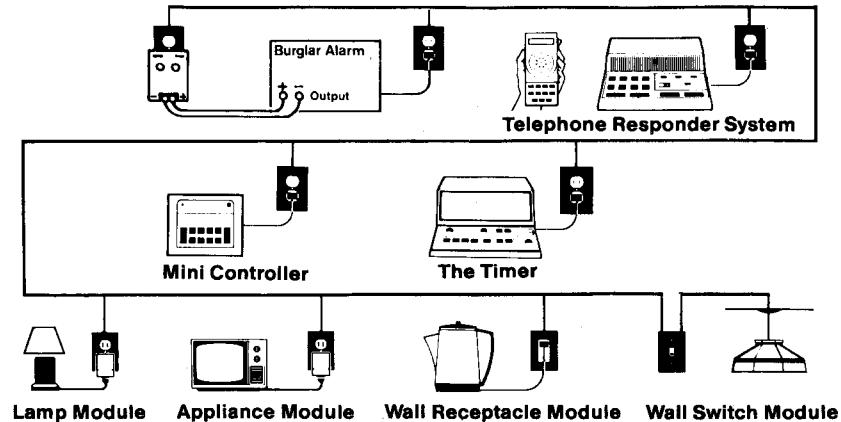
**Other Control Units:** Control interior lighting and appliances (such as heating, A/C, etc.).

### **Operating Together**

If you set the House Code on the Interface and ALL other Control Units and Modules to the same letter, you will enjoy the following features.

- When the alarm sounds, all lights (connected to Lamp or Wall Switch Modules) will come ON and operate as determined by the MODE SELECT switch setting.
- Devices connected to Appliance or Wall Receptacle Modules (set to the Interface Unit Code) will be activated.
- You will be able to control all Modules separately from the other Control Unit(s).
- You will be able to activate X-10 POWERHOUSE Modules from the other Control Units.

For the ultimate control and peace of mind we recommend a complete X-10 POWERHOUSE similar to the one shown on the following page.



#### FIRST READ THIS IMPORTANT MESSAGE

Your X-10 POWERHOUSE components have been thoroughly tested and inspected to provide satisfactory performance. Nevertheless, we must alert you to the fact that the REMOTE CONTROL of appliances and lights can inadvertently cause circumstantial mishaps which in no way reflect on X-10® products.

Here are several examples of mishaps that could occur. If an automatic coffee maker is turned on remotely without containing water, it may overheat and be damaged. If an electric heater has clothing draped on it when it is remotely turned on, it could cause a fire. An electric fan with poorly protected blades could hurt someone too close when the fan is remotely engaged.

Therefore, we urgently call your attention to the fact that any remotely controlled device or appliance should be set up so that such problem situations cannot occur.

Your X-10 POWERHOUSE will provide you with great convenience and pleasure, but please set it up so that it is completely safe while functional.

**KEEP OUT OF REACH OF CHILDREN**