

CATALOG NO.: 6300819

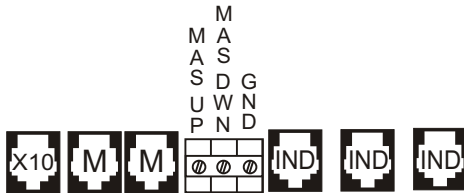
### DESCRIPTION

The IGC II/3N1 provides control of one or more motors in groups and/or individually from one or more locations. This advanced, yet simple-to-install modular control system can be activated manually or automatically. The IGC II/3N1 is a very flexible control system that can be configured in a variety of ways (i.e., individual window control, floor control, total building control, etc.) to meet the requirements of your customers.

The Individual-Group Control System is compatible with other Somfy Controls (i.e., RTS Receiver, IntelliS Timer, Decorator Somfy Matic™, Decorator Comfort Control, etc.) and other security, computer and HVAC systems.

The IGC II/3N1 controller is also compatible with X10 power line transmission technology. When the IGC II/3N1 is used with the X10 interface, it is possible (without additional wiring) to control motorized treatments as well as lamps, TVs, VCRs, etc.

### LOW VOLTAGE CONNECTIONS

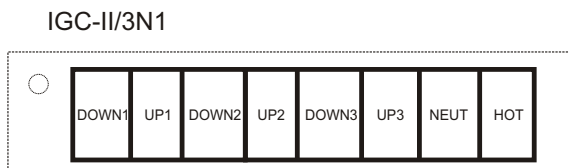


IGC-II/3N1 CONNECTIONS

1. Individual ports (IND) control only one output. The Decorator IGC Switch connects to the control via 6 conductor modular cable.
2. A switch connected to the Master ports (MAS) operates all the motors on the control board as a group. This port can also be used to connect a number of IGC/3N1s together to form a group. **This does NOT extend the X10 signal.**
3. For group only control from an external device, low voltage terminals have been provided on the IGC/3N1. A momentary contact between the MAS UP and COMMON terminals will activate the Master Up command. Similarly, connecting the MAS DWN and COMMON terminals will activate the Master Down command.

### LINE VOLTAGE CONNECTIONS

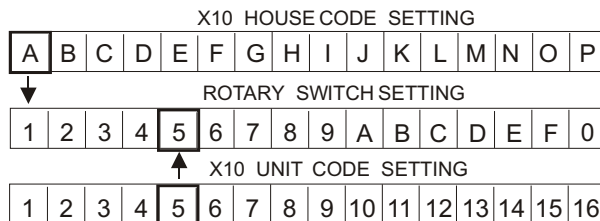
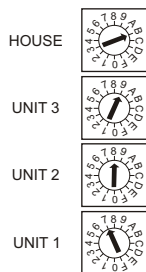
Connect Motor & Power Cables to the Terminal Block as illustrated.  
Line Voltage installation MUST comply with local and NEC codes.



POWER	MOTOR	TERMINAL BLOCK
BLACK		HOT
WHITE	WHITE	NEUT
GREEN	GREEN	
	RED	UP1, UP2, or UP3
	BLACK	DOWN1, DOWN2, or DOWN3

**CAUTION:** Before proceeding with the line voltage wiring, the up and down limits of each motor should be set using the SOMFY tester cable (Cat. No. 6020086). Please refer to the limit switch instructions packaged with each Somfy motor for more information.

### X10 CODE SETTINGS

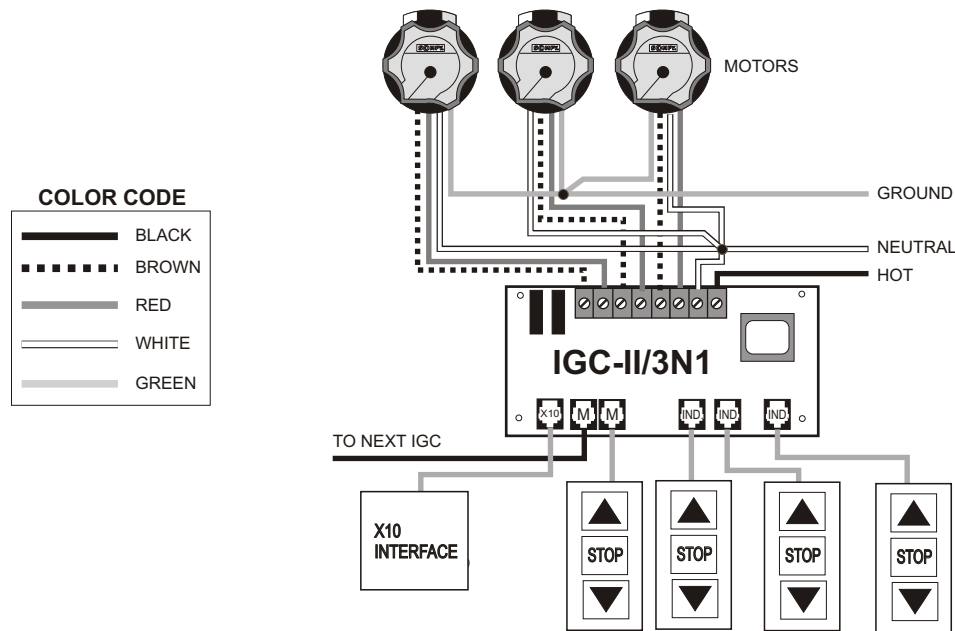


**EXAMPLE:**

FOR X10 HOUSE CODE **A**,  
SET HOUSE CODE ROTARY SWITCH TO 1.

FOR X10 MOTOR 1 CODE **5**,  
SET UNIT 1 CODE ROTARY SWITCH TO 5.

# WIRING DIAGRAM



## OPERATING INSTRUCTIONS

### A. System Power Up

1. With power off, wire IGC-II/3N1 as indicated above. Turn all circuit breakers on (Note: motors should not move).
2. Pressing the DOWN arrow on the IGC Switch should move the window covering down or out. If the direction is correct, proceed to the next individual switch and repeat.
3. If the direction is not correct, turn off circuit breakers and reverse the red and black wires at the appropriate motor and repeat step 2.

### B. Individual Motor Operation

1. A single motor can be controlled from its corresponding individual switch. To activate either direction, momentarily depress the button corresponding to the desired direction.
2. If the window covering is in motion, a STOP command can be given by activating the direction of movement. For example, if the treatment is moving up, activating another UP command within 3 minutes will stop the window treatment. Alternately, it can be stopped in any position by depressing the stop button on the IGC Switch.

### C. Group Operation

1. All motors on an IGC-II/3N1 can be operated as a group from an IGC Switch connected to the Master Port. For multiple IGCs in a system, connect one Master Port to the next.
2. A low voltage terminal block is provided for group control from an external device such as home automation, lighting or other system.
3. Direction and stop commands are the same as for Individual Ports.

### D. Use with Command Center or other X10 Compatible Products

Plugging the Command Center and the X10 Interface module into a standard 120VAC outlet allows motors connected to an IGC-II/3N1 to be remotely controlled. Motors can be controlled by using a Somfy Command Center or other X10 compatible device. Motors can be controlled in groups or individually.

#### 1. System Coding

To control motors individually from the X10 system, each control must be given a unique code. This code consists of a house code and a unit code. A maximum of 15 different unit codes can be assigned to individual controls per house code. A maximum of 16 different house codes can be assigned. Each Command Center must be given a unique house code. EXAMPLE: Individual and group control of three motors using an IGC-II/3N1.

- A. On the IGC-II/3N1, set the house code switch to the 1 position, which corresponds to X10 house code **A**.
- B. Set the unit switches to positions 1, 2, 3 consecutively, corresponding to X10 unit codes **1**, **2** and **3**.
- C. Set the house code switch to the **A** position on the Somfy Command Center.
- D. When buttons 1, 2, or 3 are depressed on the Command Center or other X10 compatible device, the motors can be individually controlled.
- E. When the ALL button is depressed, motors 1, 2, and 3 can be controlled as a group.
- F. The X10 **Bright** command is used to activate the UP direction, while the **DIM** command is used for DOWN. The X10 **OFF** command is used to activate a STOP.

#### 2. Group Operation

Motors can be controlled in a group or subgroup using one of the following methods:

- A. Set the IGC-II/3N1 unit codes to the same number. When that number is depressed on a Command Center or other X10 compatible device, all those motors can be controlled.
- B. Set the all IGC-II/3N1s in a group to the same letter house code. When the ALL button is depressed on the Command Center, all these motors will be controlled.
- C. Connect a master switch to the master port of an IGC-II/3N1. Interconnect the master lines (daisy chain) of all the controls in the system. When a direction is pressed on the master switch, all the connected IGC-II/3N1s will operate.