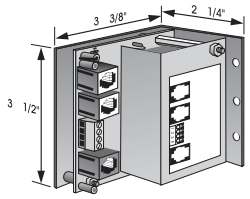
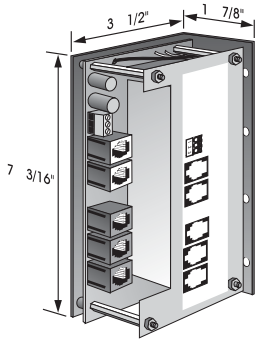
IGC and IGC/3N1

Installation and Operation Instructions



IGC
Cat. No: 6300717



IGC/3N1
Cat. No: 6300719

DESCRIPTION

The IGC system 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 heart of the system is the IGC Motor Controller used for each motor. However, greater economy can be obtained using the IGC/3N1 version for those jobs that call for controlling at least three motors individually or in groups.

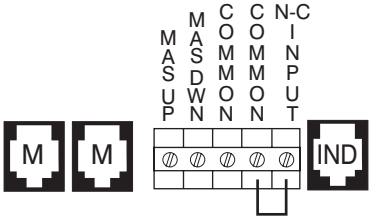
The IGC is a very flexible control system that can be configured in a variety of ways (i.e., individual window control, floor control, total building control, etc.) to meet the requirements of your customers.

The Individual-Group Control System is compatible with other SOMFY controls (i. e., Remote Control, IntelliS Timer, Decorator Somfy-Matic™, Comfort Control, etc.) and security, lighting, and HVAC systems.

The Individual IGC Controller has an added feature. It is equipped with a dry contact input that can interface with a window alarm system. One typical application is for casement windows; when the window is open, the motor will not operate. This will help prevent damage to window coverings.

LOW VOLTAGE CONNECTIONS

IGC/3N1 CONNECTIONS



IGC 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 IGCs or IGC/3N1s together to form a group.
3. For group only control from an external device, low voltage terminals have been provided on both the single IGC and 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.
4. SINGLE IGC ONLY: The N-C (normally closed) INPUT terminal is for a normally closed contact connected to a casement window or french door. When the door or window opens, this contact opens and disables the down direction. DO **NOT** REMOVE FACTORY INSTALLED JUMPER IF THIS FEATURE IS NOT USED.

LINE VOLTAGE CONNECTIONS

Connect Motor & Power Cables to the IGC & IGC/3N1 according to the wiring charts below.
Line Voltage installation must comply with local and NEC codes.

IGC

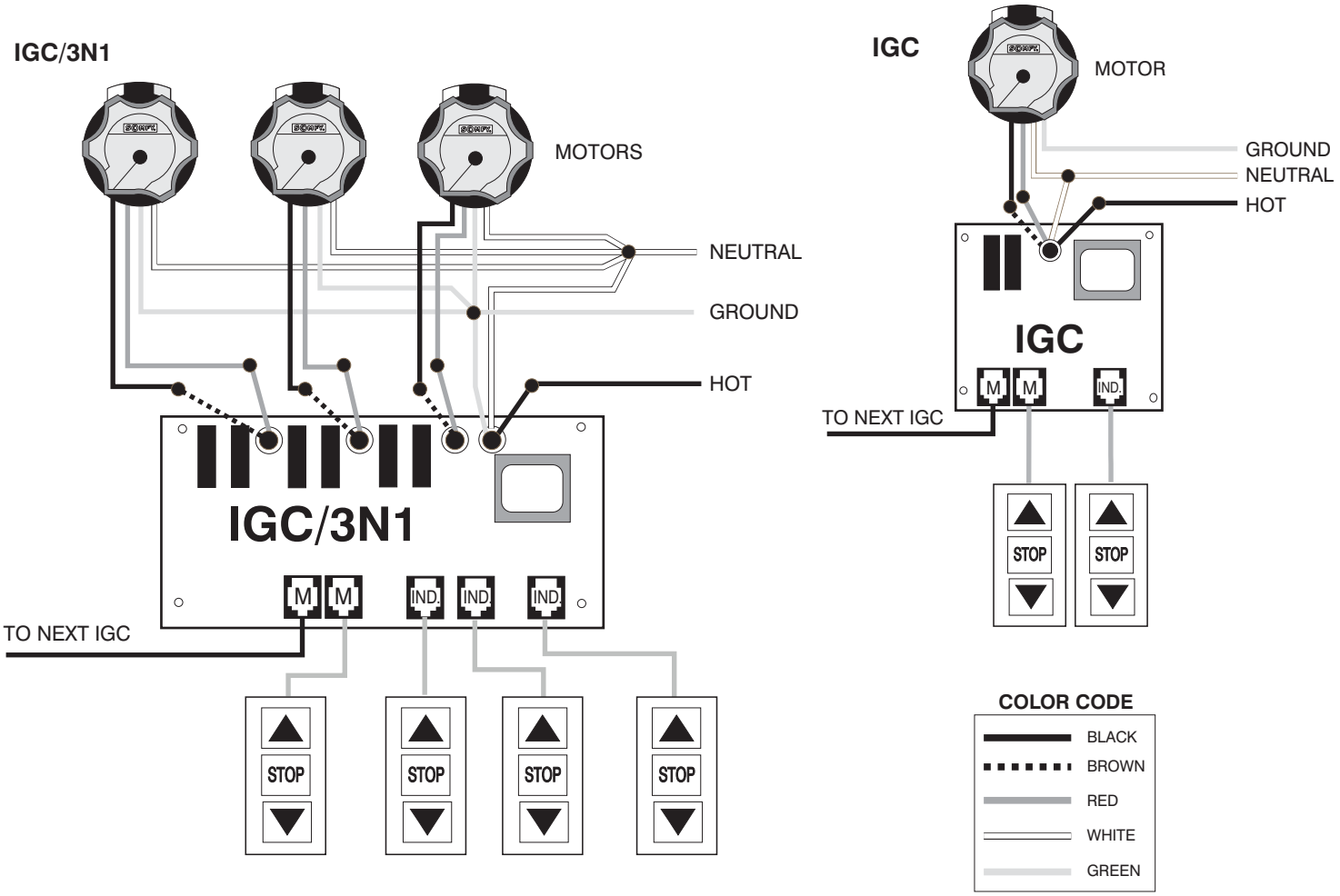
POWER	MOTOR	IGC
BLACK		BLACK
WHITE	WHITE	WHITE
GREEN	GREEN	GREEN
	RED	RED
	BLACK	BROWN

IGC/3N1

POWER	MOTOR	IGC/3N1
BLACK		BLACK
WHITE	WHITE	WHITE
GREEN	GREEN	GREEN
	RED	RED
	BLACK	BROWN

Note: An additional wire can be provided on the IGC for dry contact output capability. Please contact customer service for more information.

WIRING SCHEMATICS



OPERATING INSTRUCTIONS

A. System Power Up

1. With power off, wire IGC or IGC/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/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.

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