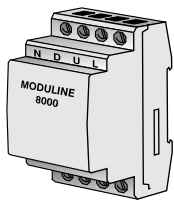




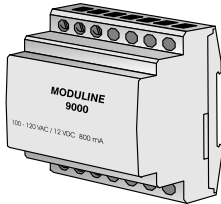
# MODULINE SYSTEM

## Installation and Operation Instructions

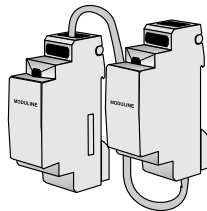
### DESCRIPTION



CAT. NO. 6150472



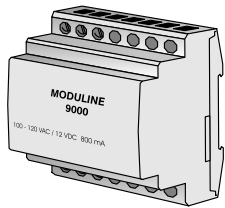
CAT. NO. 6150474



CAT. NO. 6150473

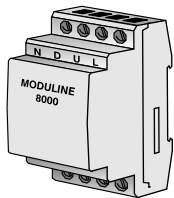
The Moduline system features individual and group controls built into standard DIN casings which are attached to DIN rails in a cabinet. The system includes modules for individual, group and master control. Any combination of modules can be achieved to meet any design specification. A preassembled control system of Moduline components can be built to meet your specifications. The Moduline system requires minimal wiring and reduced troubleshooting and maintenance times. It offers an integrated and organized means for controlling Somfy motors.

### SYSTEM COMPONENTS



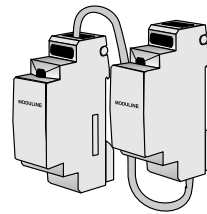
#### Supply/General Control MODULINE 9000

This device supplies power and master control for up to 16 individual controls (Moduline 8000).



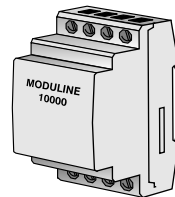
#### Individual Control MODULINE 8000

This device is capable of controlling one motor. It receives the power supply, the master and group control signals from the Moduline 9000, acts on them and passes them onto the bus line. This control is equipped with an input terminal (lock symbol) that can interface directly with a window alarm system. This is for applications such as casement windows when having the window opened will cause damage to the window treatment.



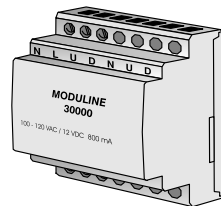
#### Linking Module

This device consists of two modular boxes which are linked by a low voltage cable. It allows the continuation of the bus line from one rail to another.



#### Sub Group Control MODULINE 10000

This device controls all the MODULINE 8000s (Individual Controls) which are connected on its right hand side, up to the next sub group control. It receives the master control signal from the Moduline 9000 and passes it along the bus line.



#### Group Control MODULINE 30000

Used in conjunction with the Moduline 8000, the Moduline 30000 controls up to three motors from one switch. This control does not connect to the bus line.

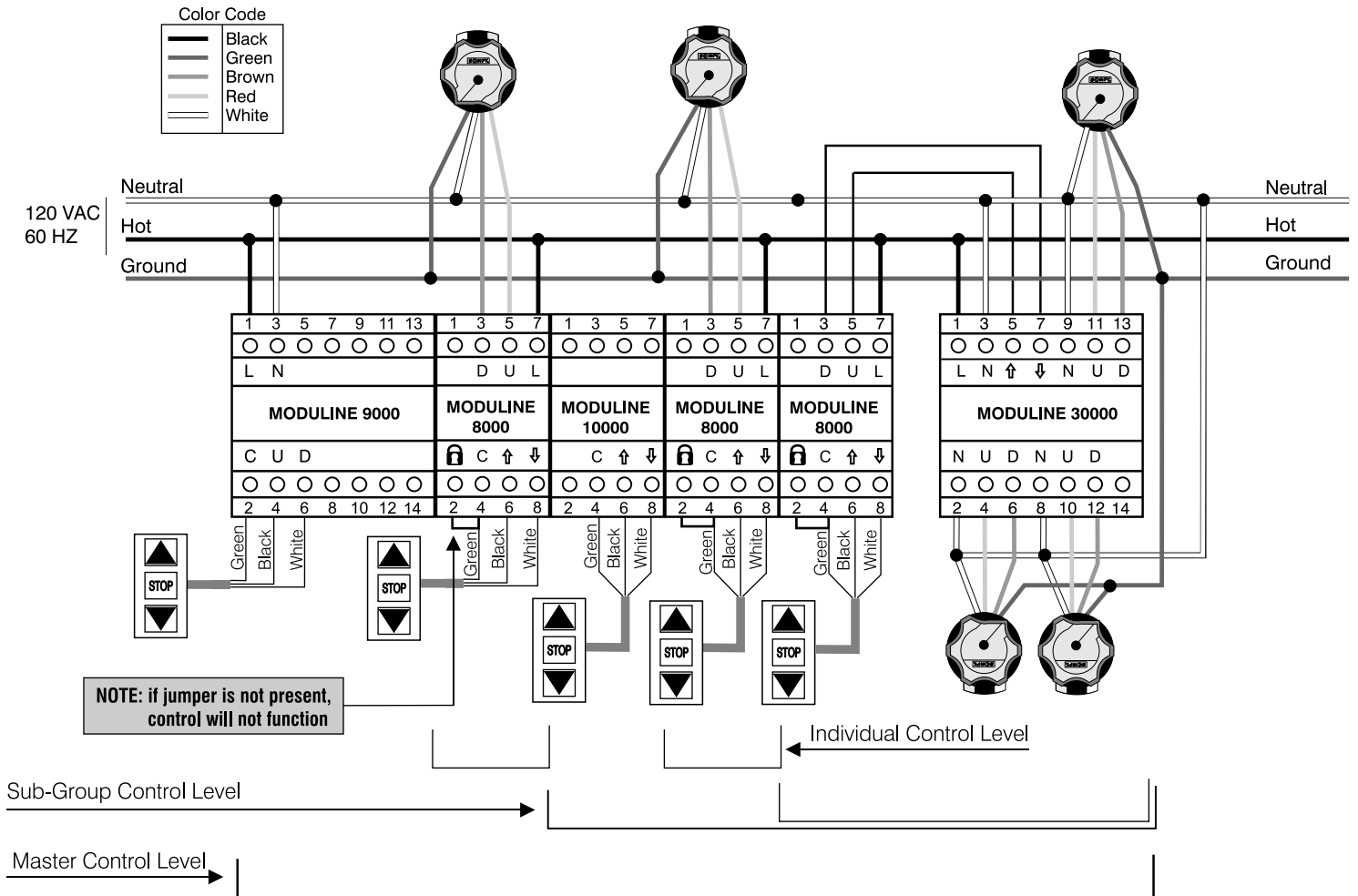
### LINE VOLTAGE WIRING

Connect motor and power cables to the Moduline according to the wiring chart below. Line Voltage installation MUST comply with local and NEC codes.

POWER	MOTOR	TERMINAL NUMBERS		
		MODULINE 8000	MODULINE 9000	MODULINE 30000
BLACK		7	1	1
WHITE	WHITE			2,3,8,9
GREEN	GREEN			
	RED	5		4,10,11
	BLACK	3		6,12,13

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

## TYPICAL MODULINE WIRING DIAGRAM



## OPERATING PROCEDURES

### A. System Power Up

1. Turn all circuit breakers on. All the motors in the system should remain at their previous positions.
2. Operate each motor in one direction using the individual switch.
3. If the direction is correct, proceed to the next individual switch and repeat.
4. If the direction is not correct, turn the circuit breakers off and reverse the red and black wires at the appropriate motor and repeat steps 2 and 3.

### B. Individual Motor Operation

A single motor can be controlled by a Moduline 8000 from its corresponding switch. To activate either direction, momentarily depress the button corresponding to the desired direction. A single motor can be stopped in any position by depressing the stop button.

### C. Sub Group Operation

1. A group of motors can be controlled by connecting Moduline 8000s to the right of a Moduline 10000. When the switch connected to the Moduline 10000 is depressed, all Moduline 8000s in the sub group (up to the next Moduline 10000) will be activated.
2. Up to three motors can be controlled by a Moduline 8000 if it is connected to a Moduline 30000. When the switch on the Moduline 8000 is depressed, the motors connected to the Moduline 30000 will activate.

### D. Master Control

All the motors (Up to 16 Moduline 8000s) in a system can be controlled and operated by a single switch connected to a Moduline 9000. To activate any direction, momentarily depress the corresponding button. The motors can be stopped in any position by depressing the stop button.

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