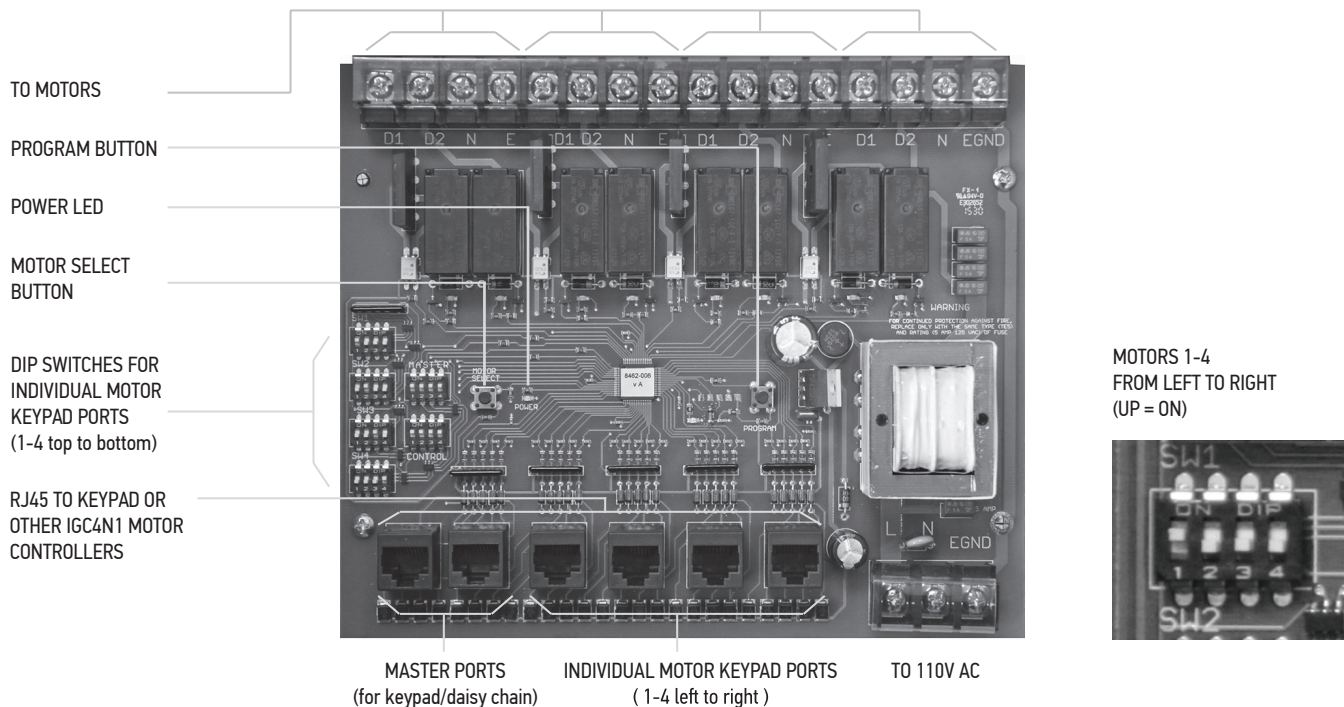




IGC 4n1 Motor Controller

Part #1811416

CONNECTIONS AND INDICATORS

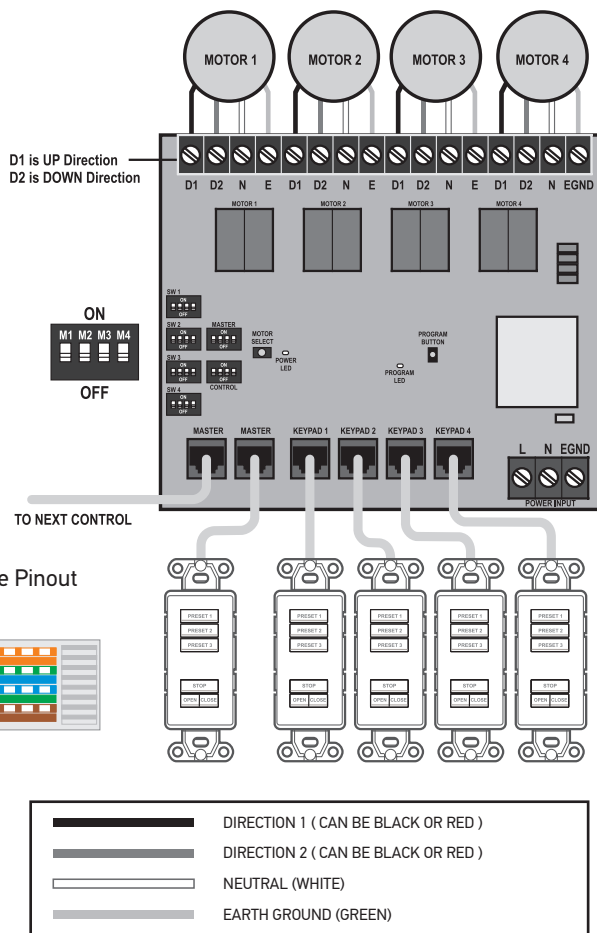


INITIAL SETUP

NOTE: Before installing the IGC 4n1, all motors must be operating properly with their limits set. Please note that maximum direction run time is 3 minutes. Use tester tool.

WIRING INSTRUCTIONS

- Connect power and motors to the board (following wiring diagram at right). Only 1 motor per terminal.
- When motors are properly wired and power is applied to the board, the POWER LED will illuminate solid green and the motors will move to their upper limit.
 - NOTE: if motors move to the lower limit, the wires are reversed. Disconnect power from the board and reverse the wires from the motor(s) moving in the wrong direction.



IGC 4n1 Motor Controller

SET KEYPAD GROUP CONTROL

NOTE: motors must be stopped before setting keypad groups.

- Set the DIP switches to the corresponding keypad inputs by moving them up to the “ON” position.
 - a. NOTE: There is a single dip switch that configures both Master Ports.
- Once settings have been chosen, press and hold the MOTOR SELECT button until the POWER LED turns off, then release. The POWER LED will illuminate solid green.

SET DEFAULT MOTOR INTERMEDIATE POSITIONS

NOTE: motors must be stopped before setting intermediate positions.

- Press and hold the PROGRAM button until the PROGRAM LED illuminates solid green, then release.
- Connected motors will move first to the upper limit, then to the lower limit and back to the upper limit. Once programming is complete the PROGRAM LED will turn off. Default intermediate positions (25%, 50%, 75%) are now set.
- Connect keypad(s) to inputs using appropriate Cat5e cable (not included).
- Confirm operation by pressing each preset button on the keypad(s).
 - a. NOTE: The STOP button on the keypad activates when the button is released. If the STOP button is pressed and released when the motor is stopped, the shade will move to intermediate position 2.
 - b. NOTE: If power is lost or turned off, all shades will move to their upper limit when power is reapplied.

SET CUSTOM INTERMEDIATE POSITIONS

- Complete “Set Default Motor Intermediate Positions” steps.
- Using the keypad connected to the motor(s) you wish to control, using the UP and DOWN buttons, adjust the window covering to the desired new intermediate position.
- Press and hold the preset button you wish to reprogram with the new intermediate position until the motor(s) jogs.
- NOTE: If a motor with custom intermediate position needs to be replaced, all motor(s) custom intermediate positions will be reset.

DAISY-CHAINING MULTIPLE CONTROLLERS

- All controllers must have their limits fully set.
- Configure the Master DIP switches to control desired motor(s).
- Connect open Master Port to an empty Master Port on next IGC 4n1.

BUILDINGS AUTOMATION INTERFACE

Third party integration can be accomplished by using the low voltage keypad ports on the IGC4N1 controller and momentary (0.5 seconds, no more than 1 second) dry contact relay inputs on the third-party system. Utilize the master keypad ports on the IGC4N1 to provide control of multiple motors and multiple linked IGC4N1 controllers. Individual or sub groups of motors can be controlled when third party system connected to the Individual Keypad Ports.

To activate an Up command a momentary dry contact relay closure is required between UP (Pin 7) and GND (Pin 8). To activate Down command a momentary dry contact relay closure is required between DWN (Pin 6) and GND (Pin 8). To activate a Stop command a momentary dry contact relay closure is required between DWN (Pin 6) and GND (Pin 8) and Up (Pin 7) and GND (Pin 8) at the same time.

