

# IntelliFlex™ 230V SGC4-Gen2 Control by Draper

## Electrical Specifications



### ⚠ Caution

- ① Make sure power is disconnected before installing controls.
- ② SGC4 is a line voltage control, designed to operate up to 4 motors as a group, activated by Low Voltage input commands.
- ③ To Reduce the Risk Of Fire, Electric Shock, Or Injury To Persons, Installation Work And Electrical Wiring Must Be Done By Qualified Person(s) In Accordance With All Applicable Codes And Standards.
- ④ SGC4 enclosure is 8" x 8" x 4".
- ⑤ Main Disconnect and Branch Circuit Protection provided by installer.
- ⑥ Maximum surrounding air temperature 50° C.
- ⑦ Use copper conductors rated 75° Celsius or higher only, 18-12AWG.

**Please Note:** This device has not been evaluated for reliability to the Standard for Tests for Safety-Related Controls Employing Solid-State Devices, UL 991 and therefore not considered suitable for entrapment protection.

### Input:

Data: +12VDC BUS Commands  
 Low Voltage: Dry Contact—0VAC  
 230V AC 50 Hz. +/- 10%

### Output:

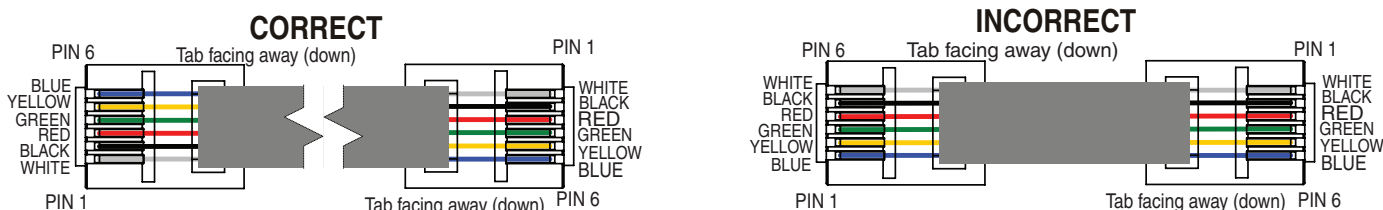
230V AC, Largest Motor .5FLA, 2FLA Total  
 Signal Output Class 2

### Please Note:

All input devices (low voltage LED switches, IR eye, RF receiver) which connect to the Eye jack must be connected using **electrically straight** 6-conductor modular cable (RJ25). This means colors do not cross over: blue leads to blue, orange to orange, etc. (see diagram below).

### Please Note:

All input devices (low voltage LED switches, IR eye, RF receiver) which connect to the Eye jack must be connected using **electrically straight** 6-conductor modular cable (RJ25). This means colors do not cross over: blue leads to blue, green to green, etc. (see diagram below)



### Six-Pin Layout

COLOR	PIN #	FUNCTION
WHITE	1	RQ CLOCK
BLACK	2	COMMON
RED	3	+5VDC
GREEN	4	RQ DATA
YELLOW	5	RP DATA
BLUE	6	+12VDC

**Fabric unrolling from back of roller (standard)**

**Right hand motor (Standard)**  
 Black—Up  
 Brown—Down

**Left hand motor**  
 Black—Down  
 Brown—Up

**Fabric unrolling from front of roller (reverse roll)**

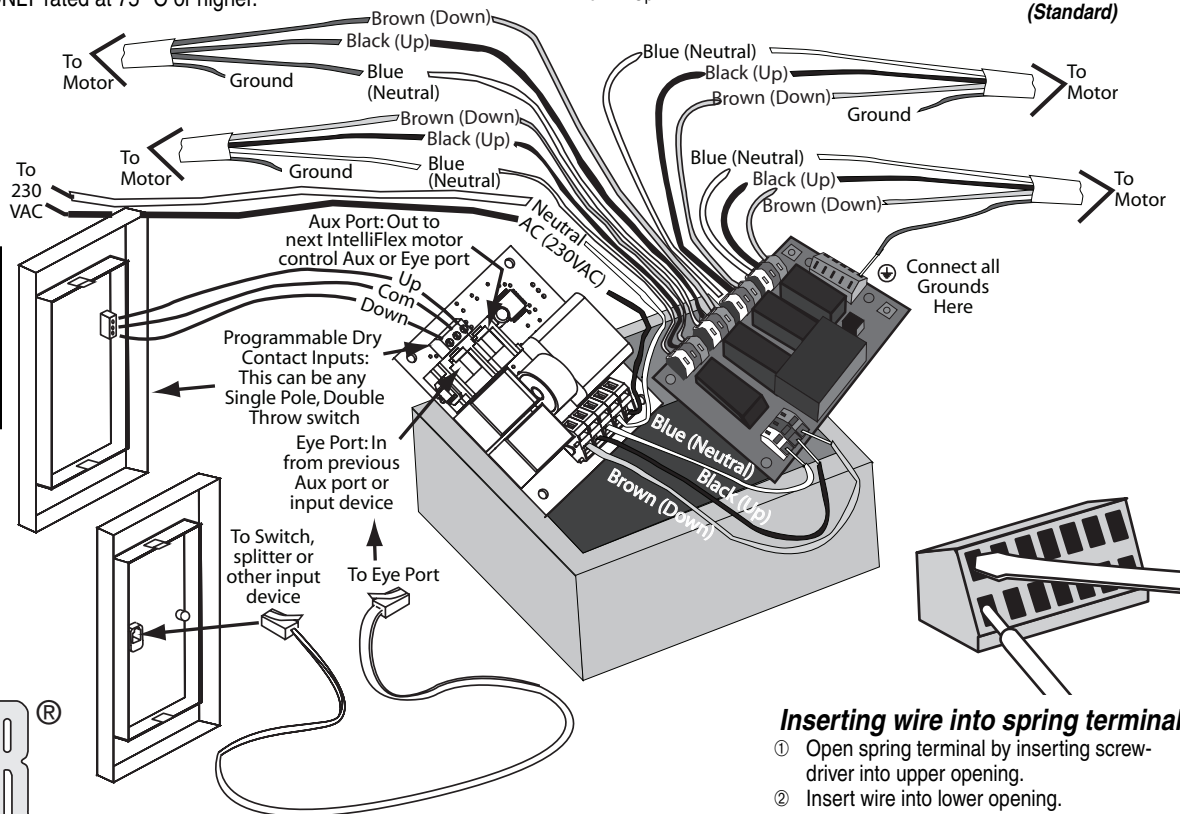
**Right hand motor (Standard)**  
 Brown—Up  
 Black—Down

**Left hand motor**  
 Brown—Down  
 Black—Up

**Right hand motor (Standard)**

All connection wires must conform to the motor manufacturer's recommendation and prevailing electrical codes. Use appropriate Class 2 wiring as determined by location of use or install as required by Article 725 of the NEC and local codes. USE COPPER CONDUCTORS ONLY rated at 75° C or higher.

**Note: Motor brown and black wires will need to "flip" if one motor is right hand and the other is left hand.**



**Max of 100 feet of low voltage cable between controls, or control and input with circuit board.**

### Inserting wire into spring terminal

- ① Open spring terminal by inserting screwdriver into upper opening.
- ② Insert wire into lower opening.
- ③ Remove screwdriver.

