

# IntelliFlex™ 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 40° 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—0v AC
- Line Voltage: 115VAC +/- 10%

### Output:

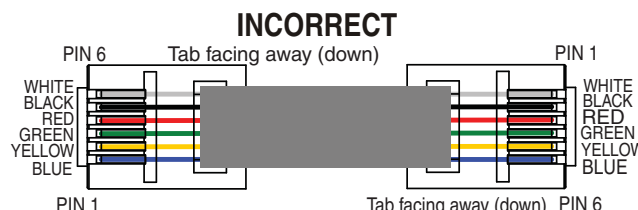
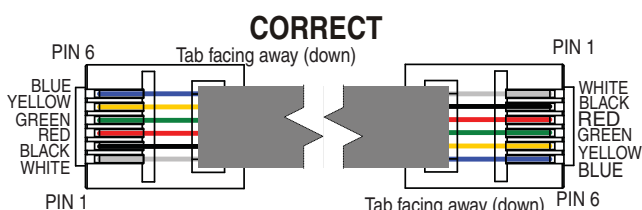
- 115VAC Largest Motor 1FLA, 4FLA Total
- Signal Output Class 2

### 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

**Please Note:** For low voltage wiring requirements, Draper recommends consulting with a professional low voltage electrical contractor. It is very important that shielded and stranded CAT 5 cable be used to prevent any electrical interference.

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

#### Right hand motor (Standard)

- Black—Up
- Red—Down

#### Left hand motor

- Black—Down
- Red—Up

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

#### Right hand motor (Standard)

- Red—Up
- Black—Down

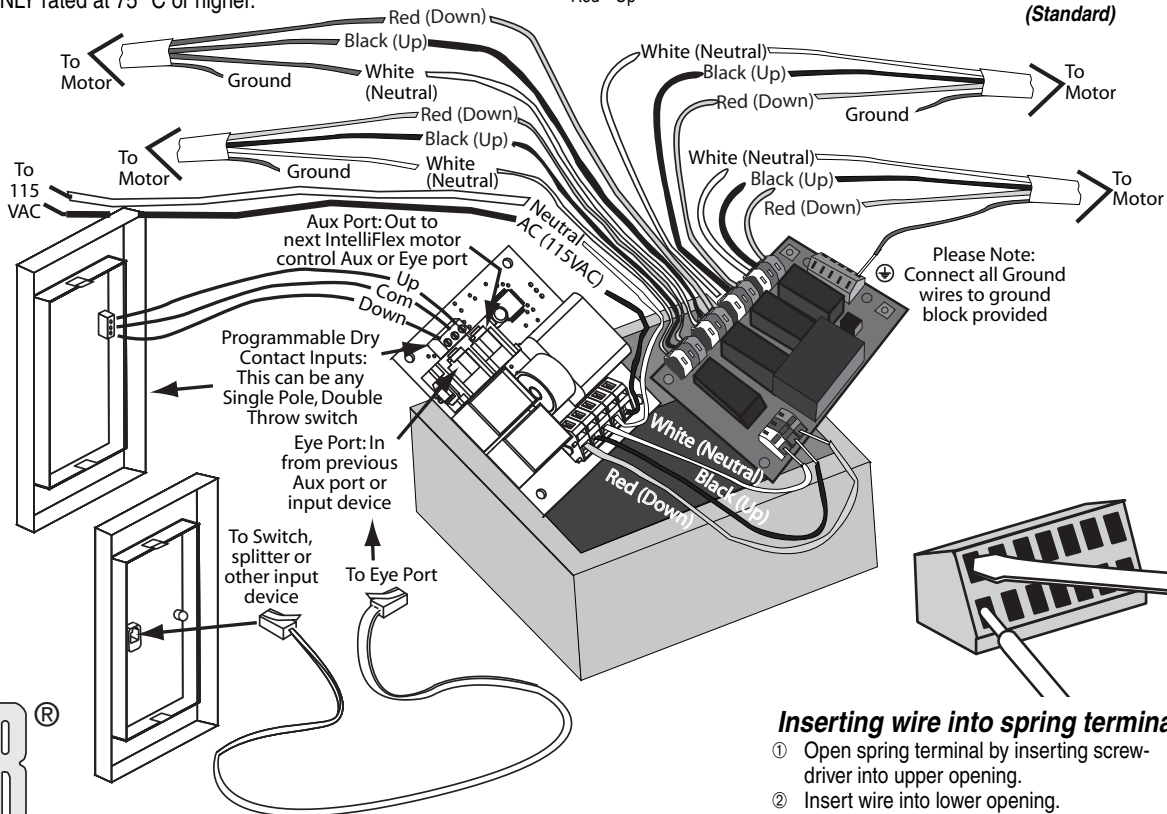
#### Left hand motor

- Red—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 red/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.**

**Please Note:** Connect all Ground wires to ground block provided

### Inserting wire into spring terminal

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

