

## Contact51 SQ1 Multifunction Controller

### SPECIFICATION:

Model	: SQ1
Size	: 100 x 60 x 30 mm
Operating Voltage	: 7 – 25 VDC
Output Rating	: 5 – 40 VDC / 25 Watts per output
Finish	: Black APS plastic enclosure

### DESCRIPTION:

The SQ1 has ten built in output patterns and ten speed settings as well as an instant reset function.

Compact and light this rugged controller is designed for flexibility and ease of use.

The versatility of the SQ1 enables a mix of output voltages in the range 5 to 40 volts thus permitting the connection of a variety of devices to the outputs without the need for any other interface.

Indicators for power and active outputs combined with two push buttons make the SQ1 a powerful and easy to use piece of equipment

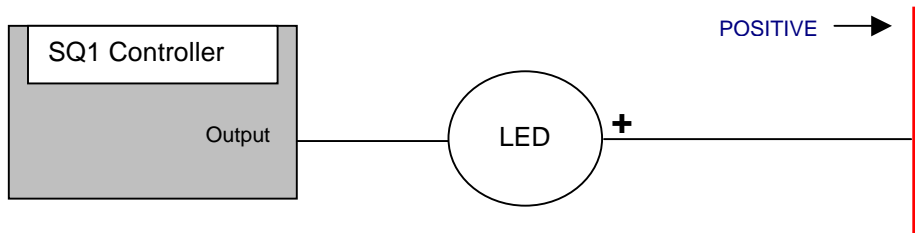
### INSTRUCTIONS:

A regulated DC power source in the range 7 to 25 volts must be connected to the terminals marked + (plus) and – (negative).

**CAUTION:** Observe polarity. Although the SQ1 has built in reverse polarity protection, damage may be cause under certain conditions if the incorrect DC polarity is connected. Ensure correct polarity before applying power.

The outputs are labeled 1 – 2 - 3 – 4 and are configured to operate common positive devices, that is the negative side of the connected device will be grounded through the SQ1 outputs.

left hand side of the SQ1 enclosure and labeled SPEED and FUNCTION



The two operator control buttons are located on the bottom

## **SPEED**

Use a pen or similar object to access the buttons through the aperture provided. Each depression of the SPEED button will increment the speed setting in steps from speed setting one through ten, back to one and so on.

Speed setting one being the fastest with ten the slowest.

## **FUNCTION**

Use a pen or similar object to access the buttons through the aperture provided. Below is a list of the preset patterns built in to the SQ1. A label with the ten built-in preset pattern options is fixed to the face of the SQ1 for easy selection.

Each depression of the FUNCTION button will increment the selection from one through ten, back to one and so on.

1. 3 Output Individual UP
2. 4 Output Individual UP
3. 3 Output Individual UP/DOWN
4. 4 Output Individual UP/DOWN
5. 3 Output Accumulative UP
6. 4 Output Accumulative DOWN
7. 3 Output Accumulative UP/DOWN
8. 4 Output Accumulative UP/DOWN
9. Mixed Output
10. Alternating Outputs 1 + 2 (Flasher)

The output display indicators illuminate according to the function selected thus enabling the operator to visually see the result of the selected pattern/speed combination.

## **RESET**

In the event that the SQ1 should require resetting due to some erroneous outside interference causing data corruption, this can be accomplished in either of the following two ways.

1. Press both buttons SPEED and FUNCTION together. Press and hold the FUNCTION button first followed by pressing the SPEED button while still depressing the FUNCTION button. Release both. This will place the SQ1 into speed setting #1 and pattern function #1.
2. Turn the power to the SQ1 off.  
Press and hold both SPEED and FUNCTION buttons while turning the power back on.  
Release the buttons.  
This will place the SQ1 into speed setting #1 and pattern function #1.

On occasion when changing a speed or function setting the outputs might appear to jump about a little. This is normal and they will settle down after a few seconds. If they do not, invoke a reset as described above.

## **MEMORY**

All settings as selected above are automatically written to the SQ1 memory so that when power is removed and re-applied the last setting will be retained.

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