



# THE SSC CONTROLS COMPANY

THE FOOT SWITCH EXPERTS®

## Product Information Sheet

### G-Series Foot Switches – Circuit Diagrams

The G-Series foot switches can include from one to three switches, and up to four independent SPDT circuits. They do not come with cables. The user installs the appropriate cable and strain relief to the switch. G500 models have one switch, G502 models have two switches, G503 models have three switches, and G504 models have four circuits.



Below are examples of the circuitry of different G-Series foot switches.

**Danger:** Disconnect input power before performing any installation or maintenance. Only a qualified electrician should install this foot switch, including proper grounding and installation per local and national electrical codes.

Model	Switch Circuit	Inside of Foot Switch
<p><u>Model Number:</u> G500-MO</p> <p>Circuit: SPDT (single-pole double-throw)</p>		
<p><u>Model Number:</u> G502-MO</p> <p>Circuit: DPDT (double-pole double-throw)</p>		

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<p><u>Model Number:</u> G503-MO</p> <p>Circuit: TPDT (triple-pole double-throw)</p>		
<p><u>Model Number:</u> G504-MO</p> <p>Circuit: Dual DPDT (two DPDT switches in each unit)</p> <p>Ideal for controlling up to four independent circuits.</p>		
<p><u>Model Number:</u> G500-MO-DB</p> <p>Circuit: SPDT-DB (single-pole double-throw double-break)</p> <p>Also called "Form Z" contacts</p> <p>Double break contacts open and close at two points in the line, enabling the switch to have improved performance in some DC circuits.</p>		

## Notes:

- All foot switches should be properly grounded per local and national electrical codes.
- The GX-Series is the same as the G-Series, but with a flat cover (it does not have the guard).
- G-Series foot switches are available with other options, such as the Front Gate (-GT models), the Anti-Trip Safety Latch (-AT), Maintained Action (-MA), and two-stage operation (models ending in "-2S). However, the switch circuitry shown above stays the same for these options.

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