



# THE SSC CONTROLS COMPANY

THE FOOT SWITCH EXPERTS®

## Product Information Sheet

### Potentiometer Foot Controls (G700)

The G-Series Potentiometer Foot Controls offer variable resistance output with heavy-duty construction. Simply press down on the pedal to move through the range of the potentiometer. The unit is available with or without a switch. The switch is set to activate at the beginning of the pedal cycle (at the top of the pedal motion). The G700 has a NEMA Enclosure Type 2, 4, and 13 (IEC rating IP-56) and therefore is suitable for indoor/outdoor, hose-down, and other heavy-duty environments, when properly connected.

#### Design features:

- Oversized guard opening (5.5"H x 6"W).
- High life linear variable resistance output.
- 3/4"-14 N.P.T. threaded conduit entry.
- Powder-painted Safety Orange finish.
- Mounting holes with optional 3M® bumper feet.
- 20 amp @ 125/250 VAC Honeywell® switch ("-S" models only).



#### Quality features:

- Quality system certified to ISO 9001.
- Includes a 1-year warranty on parts and labor.
- Made in USA.



Dimensions (L x W x H): 9.2" x 6.2" x 5.5"

Weight: 5 pounds

Finish: powder paint, safety orange

Enclosure ratings: IP-56; NEMA Type 2, 4, & 13



**Warning:** To avoid personal injury, do not use foot switches on machinery lacking effective point-of-operation safeguards. Disconnect input power before installation or maintenance.

Model	Action	Potentiometer	Switch
G700-1K	momentary	1,000 ohm, 1/4 watt	not applicable
G700-5K	momentary	5,000 ohm, 1/4 watt	not applicable
G700-10K	momentary	10,000 ohm, 1/4 watt	not applicable
G700-1K-S	momentary	1,000 ohm, 1/4 watt	20 A, 125/250 VAC, SPDT
G700-5K-S	momentary	5,000 ohm, 1/4 watt	20 A, 125/250 VAC, SPDT
G700-10K-S	momentary	10,000 ohm, 1/4 watt	20 A, 125/250 VAC, SPDT

**Note 1:** Momentary action - Press and hold to activate, release to return to upright.

**Note 2:** Resistance tolerance ±10%. 400 V(dc) max. input voltage (not to exceed power rating). For full specifications, see BI Technologies® Model 404 Series Potentiometer.

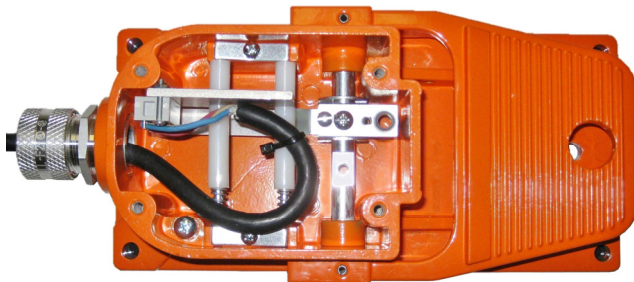
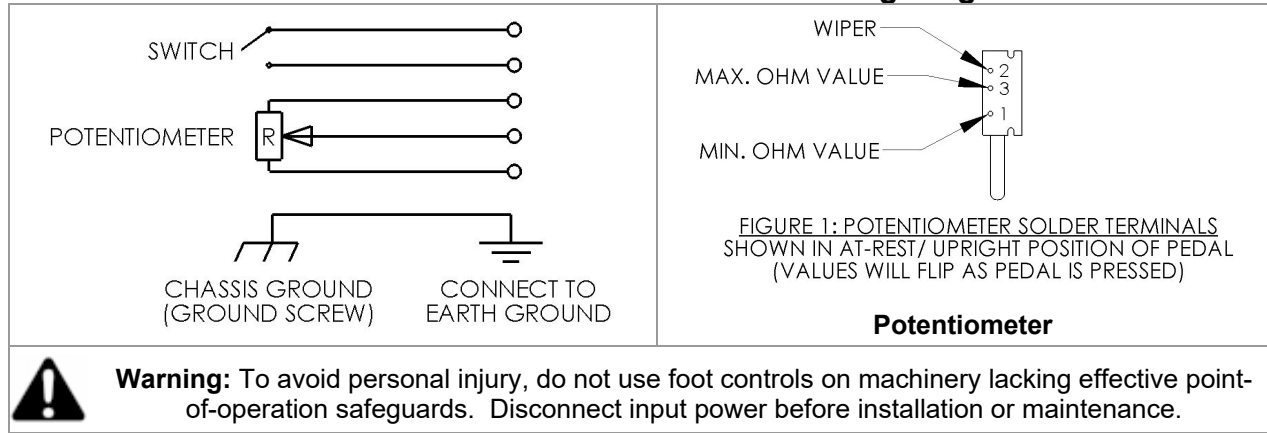
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## G700 Potentiometer Foot Controls – Wiring Diagram



**Cable routing:** Route cable and solder wires to potentiometer in U shape, as shown (so as to assist in soldering leads to terminals). Secure with cable tie so wires cannot contact moving parts. Picture shows model G700-1K (note: this picture does not show the switch that is on the “-S” versions).

## G-Series Installation Instructions

Only a qualified electrician should install this foot switch, including proper grounding and installation per all local and national electrical codes. The G-Series foot switches are to be installed using a Type 2, 4, and 13 cord grip and UL Listed hard-service or junior hard-service flexible cord suitable for resisting oil and water. Cover screws should be installed using 18-22 in-lb (2-2.5 N-m) torque after wiring is installed.

## Installation and Maintenance Warning

<span style="font-size: 1.2em; font-weight: bold; margin-left: 10px;">DANGER / PELIGRO / DANGER</span>		
<p><b>HAZARDOUS VOLTAGE</b> Disconnect power before performing any work on this device. <b>Failure to follow this instruction can result in death or serious injury.</b></p>	<p><b>TENSION PELIGROSA</b> Desenergice el equipo antes de realizar cualquier trabajo en él. <b>El incumplimiento de esta precaución podrá causar la muerte o esiones serias.</b></p>	<p><b>TENSION DANGEREUSE</b> Coupez toute alimentation avant travailler sur cet appareil. <b>Si cette précaution n'est pas respectée, cela entraînera la mort des blessures graves.</b></p>

**Notice:** This notice should be stored at the point of use of the foot switch and reviewed by each user prior to use. If you have any questions, if any of the above is unclear, or if you would like to request additional copies of this document, please contact The SSC Controls Company.

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