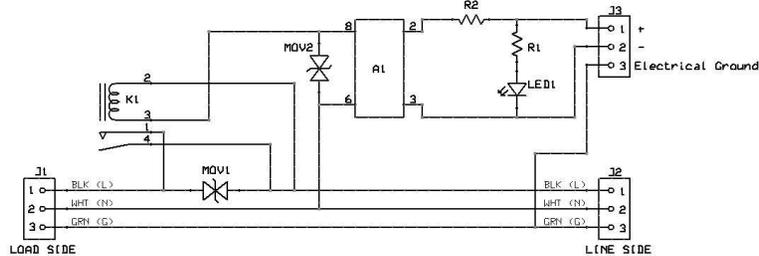


### SPECIFICATIONS:

**AC input:** NEMA 5-15P Plug, standard 120vac with ground.  
**AC output:** NEMA 5-15R Receptacle, standard 120vac with ground.  
**Switching capacity:** 15amps @ 120vac  
**Life expectancy:** 100,000 operations @ 15amps, 125vac, resistive  
**DC input:** 3-12vdc 3-30ma, terminal block accepts #14-30 AWG wire.  
**Operate times:** 15 ms max actuate, 10 ms max release.  
**DC to ac circuit isolation:** 5300Vrms  
**Indicator:** LED indicates when dc side is energized.  
**Protection:** AC side protected with 150vac MOV. DC side is transient free.  
**Mounting:** Two #6 screws or free standing



## PowerSwitch Tail II

PN 80135, US version

**An isolated dc actuated power cord  
for controlling power to 120vac  
appliances with microcontrollers and  
other low voltage circuits.**

- No exposed 120vac voltages and no dangerous 120vac wiring required. Can be installed by non-technical users.
- Plugs into standard 120vac 3-prong household outlets, power strips, and extension cords. Easily inserts between power source and corded electrical devices.
- Eliminates the exposure of hazardous voltages in classrooms, in laboratories, and on industrial and DIY development workbenches.
- No special 120vac wiring when deploying new products and custom solutions. Eliminate the need for electrician fees or electrical wiring permits.
- Switches up to 15 amps with a 3-12vdc (3-30ma) control signal.
- Connects directly to any microcontroller without the need for a driver circuit. Ideal for use with battery powered controllers.

For technical support, please contact us at [support@powerswitchtail.com](mailto:support@powerswitchtail.com).  
For more product information, please visit <http://www.powerswitchtail.com>.

Other actuating voltages ranges and units optimized for minimum actuating signal power are available. Please contact us at [sales@powerswitchtail.com](mailto:sales@powerswitchtail.com).

Our liability is limited to the purchase price of this product only. By using this product you agree that PowerSwitchTail.com, LLC can not be held liable for any damages or injuries resulting from use or repairs.

- Two-wire control signal connects to screw type terminal block (14-30 AWG).
- 5300Vrms isolation between mains circuit and signal connection.
- LED indicator shows status of control signal.
- No phantom power when de-energized.
- Units are "stackable" and easily mount with two screws.
- Connect input plug to wall outlet or when using multiple units, to a power strip.
- Connect output receptacle to a single powered device or to a power strip to control multiple loads.
- Output devices may be 3-prong or 2-prong appliances or lights.
- Indoor use only.

#### **Hookup Instructions:**

1. The PowerSwitch Tail II (PST II) requires an actuating signal between 3vdc (3ma) to 12vdc (30ma) to reliably energize the ac circuit. Most microcontrollers will operate the PST II directly without the need for an external driver circuit.
2. Connect the control signal to the terminal block using a small screwdriver to access the screws from the top of the PST II. If necessary, turn the screws CCW to open the terminal contacts. Strip ¼-inch of insulation from the signal wires and insert into the terminal block contacts through the holes on the side of the PST II. Connect the plus side to terminal 1 (+in) and the negative side to terminal 2 (-in). Tighten the screws and verify the contacts firmly grip the signal wires. Any size wire #16 AWG or smaller may be used. (Standard CAT3/5 #26 AWG twisted pair wire works well.)
3. Terminal 3 (Ground) is connected internally to the ac side electrical safety ground (the green conductor) and can be used if needed.
4. Energize the control signal and verify the LED indicator lights up. If not reverse the signal leads.
5. Plug the PST II into the AC power source and plug the load into the PST II receptacle. The AC circuit is now energized whenever the LED is on.

NOTE: The plug side of the PST II must be plugged into a source of power for the internal relay to operate.

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