



Digitrax Command Control
Run Your Trains, Not Your Track!

PS2012

20 Amp
All Scales
Regulated
Power Supply

Features:

- Operate one or more boosters -with a single PS2012 supply.
- Scale selectable for use with N, HO or large scale.
- Design Coordinated for use with Digitrax products
- Built-in unit over-current and over-temp protection
- DC Output Current Ammeter
- On/Off Switch
- Integral Cooling fan
- One 'Y' Cable (P/N YC52) Included for convenience with dual 5 amp protected outputs



Parts List

- | | |
|--|---------------------|
| 1 PS2012 Power Supply | 1 Instruction sheet |
| 1 'Y' Cable (P/N YC52) with dual 5 amp protected outputs | |

Getting Started

The PS2012 power supply is a heavy-duty unit designed to drive one or more boosters in a DCC environment. It can also be used for high current applications in standard DC environment.

Controls and Connectors

Front panel controls and connectors provided on the front panel are:

- On/Off Switch
- DC Amperes output current meter
- Scale selectable outputs for N, HO, or Large scale operation
- Dual DC output connections

DC connectors - Figure 1 shows DC power-out connectors. Two pairs of binding posts are provided for ease of connection to multiple boosters. In addition to the power on/off switch, the PS2012 has a selector switch for N scale, HO scale, and G (or large scale) operation. The unit also has a built-in output current meter for monitoring total layout current load.

Output Current Meter

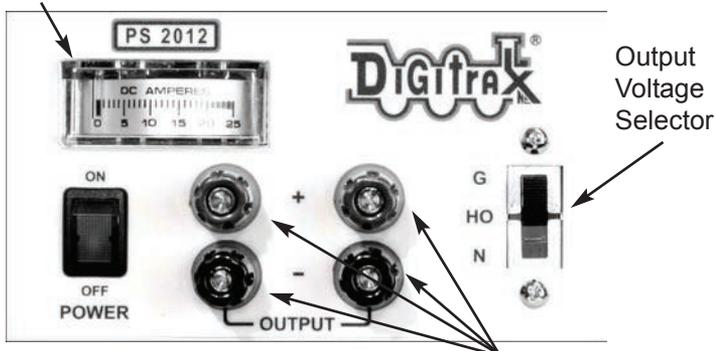


Figure 1

DC Power out connections

Back panel controls and connections: The PS2012 comes with a 3 prong plug (2 power and ground). This unit must be used with a properly grounded AC receptacle. Input power is switch selectable and supports 115 or 230 volt operation. For 230 volt operation, please obtain from local sources the appropriate power cord with an IEC type inlet plug. Please insure it is a grounded 3 wire type cord constructed of 18 AWG wire and rated for at least 250 volts.

Cooling Fan
Keep Unobstructed

Line Voltage Selector

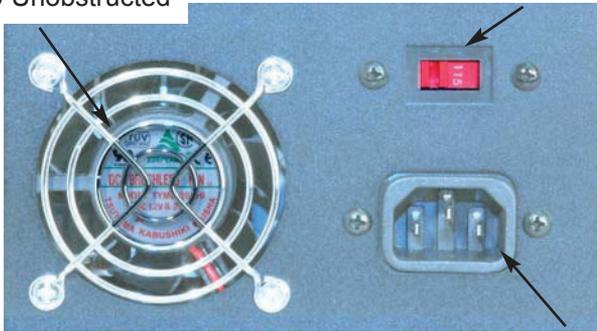


Figure 2

Line Input Power

Installation

All secondary devices need to be properly fused on their power input leads for their rated capacity. For example if you intend to use the PS2012 to drive a 5 and an 8 amp booster, you must **input fuse** these devices for 5 and 8 amps respectively. A fuse in this case can be a traditional fuse, a circuit breaker, a thermal fuse or a Polyfuse™ type self resetting limiter. The PS2012 can be used with Digitrax's DCS100/200 series boosters, or with the Super Empire Builder (DB150). The PS2012 can also be used to power other manufacturers boosters provided the input fusing guideline above is followed.

Installation Considerations

Your PS2012 is overload protected. Should you experience a power supply shutdown, please unplug the power supply, and allow at least 60 seconds for the PS2012 to reset internally.

Ventilation. The rear fan and intake vents should be as unobstructed as possible so as not to impede airflow. In particular, avoid placing objects within 2 inches of the intake vents or exhausts of the fan itself.

The term "PolyFuse" is a registered trademark of the Wickmann company for a resettable overcurrent protection device. Similar units made by Raychem Co. are called "Polyswitch" while those made by Bourns are called "MultiFuse".

Configuration

To connect the PS2012 to boosters and other 5 amp rated devices, use the ‘Y’ cable shown below:

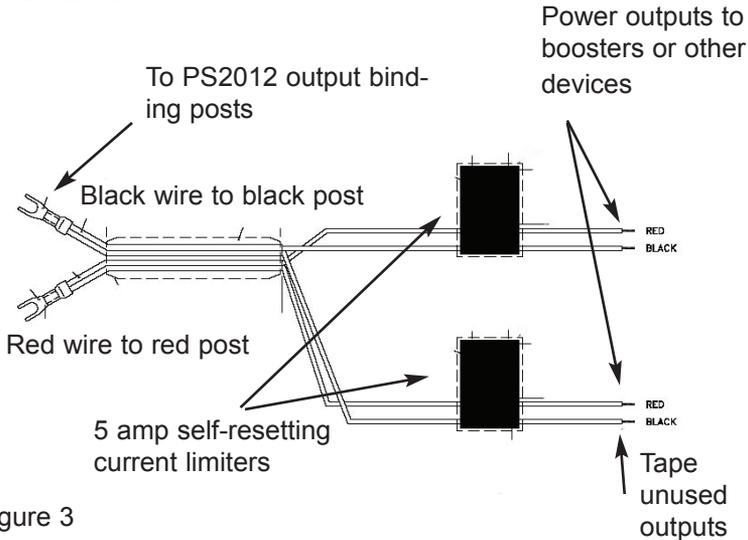


Figure 3

Two ‘Y’ cables are required for 4 boosters at 5 amps. Additional ‘Y’ cables can be ordered from your local dealer. The ‘Y’ cable part number is YC52

The final step is to properly set the front panel selector switch for your scale:

- The ‘G’ setting configures the supply to output 23 volts at 12 amps max.
- The ‘HO’ setting configures the supply to output 18 volts at 15 amps max.
- The ‘N’ setting configures the supply to output 13.8 volts at 20 amps max.

Warranty & Repair

Digitrax gives a one year **“No Worries”** Warranty against manufacturing defects and accidental customer damage on all Digitrax products. That's it! A simple, straightforward warranty with no tricky language! For complete warranty and repair details see www.digitrax.com. Please contact Digitrax tech support at (850) 872 9890 before sending anything to us for service so that we can try and resolve the problem by phone or e-mail. Except as expressly stated in the full warranty statement, there are no warranties, express or implied, including but not limited to any warranties of merchantability or fitness for a particular purpose.

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