LIMITED WARRANTY

Lind Electronics, LLC. (LIND) warrants the circuit assembly portion of products manufactured by it to be free of defects in material and workmanship for a period of 3 years* from the date of purchase under normal use. During this warranty period, LIND will, at its option, repair or replace the product at no charge for parts or labor when the product is returned postage paid as a complete unit to LIND. Proof of purchase and a letter explaining the problem must accompany the returned unit.

This warranty does not apply if any part of the adapter, its cables or connection jacks have been altered, subjected to abuse, accident or misuse. This warranty excludes incidental or consequential damage resulting from the product or the use of the product. This warranty is in lieu of all other warranties expressed or implied and no person is authorized to assume for LIND any other liability in conjunction with this product. The warranty gives you, the purchaser, specific legal rights and you may have other rights which may vary from state to state and country to country.

The LIND product you are purchasing has not been designed for, or certified for use in, life support applications. Any such use is at your own risk. LIND ELECTRONICS, LLC. HEREBY EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Lind Electronics, Inc. will not be liable for any claims, awards, damages or other liability arising out of the use of LIND products for life support applications whether in the nature of direct, indirect, consequential, special or punitive damages.
*1 year warranty on custom built adapters and adapters with permanently attached (hardwired) cables.

lindelectronics.com
952.927.6303
info@lindelectronics.com
SUPSL-F00262 1225

14850 Deveau Place
Minnetonka, MN 55345

POWER DISTRIBUTION UNIT

The Lind 12-Channel Power Distribution Box delivers smart, reliable power management for 12 V / 125 A vehicle systems. With four battery-hot, four ignition-hot, and four timed-hot outputs, it provides flexible control for critical and auxiliary loads.

Timed outputs automatically shut off after a preset delay when the ignition is turned off, preventing battery drain while maintaining power to essential equipment. Built-in voltage protection safeguards sensitive electronics from low or high voltage conditions.

Compact, durable, and easy to install , this system keeps your vehicle powered, protected, and ready for action.

*Contact Lind at (800) 659-5956 or via email at **techsupport@lindelectronics.com** to place an order or for help with any questions.*

OPERATING INSTRUCTIONS

The Power Distribution Box is designed to manage multiple vehicle loads using battery, ignition, and timed outputs. The system ensures controlled shutdown of connected equipment to prevent battery discharge.

CHANNEL OPERATION

- Battery-Hot outputs will always stay active when system is powered.
- Ignition-Hot outputs will stay active if vehicle ignition voltage is above 5 volts. If ignition voltage drops below 2.5 volts, Ignition-Hot outputs will turn off automatically.
- Timer-Hot outputs will stay active if vehicle ignition voltage is above 5 volts. If ignition voltage drops below 2.5 volts, the timing sequence begins. After the preset time has elapsed, all Timer-Hot outputs will turn off automatically.

TIMER SETTING

The delay period for the Timed-Hot outputs is set using a 4-position DIP switch, located on the control board. The DIP switch allows timer configuration from a few minutes up to several hours, depending on the combination of switch positions. Refer to the configuration label or chart for specific time settings.

The timer automatically resets each time the ignition voltage exceeds 5 volts, restarting the timing cycle.

RESET TERMINAL

A dedicated RESET terminal is provided to manually deactivate all Timed-Hot outputs at any time. Applying 12 V to this terminal immediately turns off all Timed-Hot outputs, regardless of the remaining delay period.

SYSTEM LED INDICATION

The System LED provides a visual indication of overall system status before removing cover.

- Green – Normal operation
- Red or Flashing – Fault or abnormal condition detected

Each output channel has an LED to indicate fuse status (Green = Normal Operation, Red = Fuse Should Be Replaced).

FEATURES

- Compact, rugged design for vehicle and mobile use
- 12 output channels: 4 Battery-Hot, 4 Ignition-Hot, 4 Timed-Hot
- Designed for 12V automotive battery
- 125A max system load, 30A max load per channel
- System bi-color LED for overall operating status
- Individual fused outputs with bi-color LED status indicators
- Timer activates when ignition voltage drops below 2.5V
- Adjustable timer presets using 4-position DIP switch
- Manual reset input instantly turns off timed outputs
- High and low input voltage shutdown protection
- Reverse polarity input voltage protection
- Load dump protection
- Over temperature protection

TECHNICAL INFORMATION

High Battery Voltage Disconnect:	18V
High Battery Voltage Trigger Timeout:	0 seconds (time to react to over voltage)
High Battery Voltage Recovery:	16.5
High Battery Voltage Recovery Timeout:	10 seconds (recover from high voltage)
Ignition Threshold On:	> 5V
Ignition Off Threshold:	< 2.5V
LED Flash Rate Normal Timing:	2 seconds
Input Voltage Range:	9-18V
Maximum load:	125 Amps
Low Battery Voltage Disconnect Threshold:	11V
Low Battery Voltage TRIGGER TIMEOUT:	10 seconds
Low Battery Voltage Recovery:	12.5V
Low Battery Voltage Recovery Timeout:	10 seconds
Adjustable Shutdown Delay Time (Timer 1):	0-4 hours
Operating Temperature:	-20°- 45° C (-4° - 113° F)
Current Draw In Non-Timing Mode:	58 mA
Current Draw In Timing Mode:	68 mA

INSTALLATION

- Mount the Power Distribution Box in a cool, dry, and well-ventilated area of the vehicle. Avoid locations exposed to water, excessive heat, or vibration.
- Connect the PWR (+12 V) terminal to the vehicle's battery positive terminal through a properly rated main fuse, using wire sized for the total current draw of all connected loads (4 AWG recommended).
- Connect the main GND terminal to a clean chassis ground or directly to the vehicle battery negative terminal. Ensure the ground connection is secure and corrosion-free.
- The Power Distribution Box provides 12 fused output channels, with swappable fuses (for lower amp fuses), each capable of supplying up to 30 amps:
  - F1–F4: Battery-Hot outputs (always active)
  - F5–F8: Ignition-Hot outputs (active only when ignition voltage exceeds 5 V)
  - F9–F12: Timed-Hot outputs (active for the preset delay period)
- Each output channel includes a corresponding LOAD GND terminal for convenient return connections. Connect each load between its assigned output and ground terminals.
- Connect the IGN terminal to the vehicle's ignition switch circuit that provides +5 V when the ignition is ON and drops below 2.5 V when the ignition is OFF. This allows the Power Distribution Box to detect engine operation and initiate the timing sequence when the ignition is turned off.
- If needed, connect the RESET terminal to a switch or control circuit capable of +12V when activated. Applying voltage to this terminal immediately turns off all Timed-Hot outputs.
- After completing all wiring, verify every connection and fuse rating. Turn the vehicle ignition ON and OFF to confirm proper operation.

TESTING

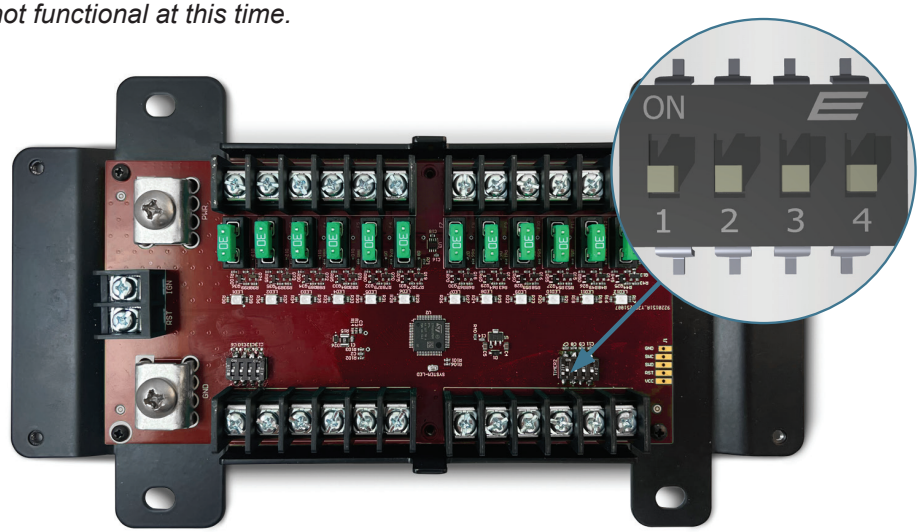
- To turn on only the Battery Hot channels, connect 12V between the Power and Ground terminals. The Ignition Hot and Timer Hot channels will remain off.
- To activate the Ignition Hot and Timer Hot channels, apply an ignition voltage greater than 5V.
- Turning the ignition off will start the timer, and the LED will begin flashing at .5 Hz (every 2 seconds).
- Applying 12V to the Reset terminal will turn off the timer channels.
- For undervoltage conditions, the System LED will flash red once per second.
- For overvoltage conditions, the System LED will flash red twice per second.
- The System LED will stay solid green when all channels are operating normally.
- A solid red System LED indicates that one or more channels are not functioning properly.

SAFETY: INSTALL HIGH-CURRENT DEVICES (OVER 20 A) ON CHANNELS THAT ARE NOT NEXT TO EACH OTHER TO HELP PREVENT EXCESSIVE BOARD TEMPERATURES.

DELAY TIME SET-UP

Your Lind Power Distribution Unit gives you full control over how long connected devices stay powered after ignition is turned off. Use the chart below to configure your desired delay time by adjusting the four DIP switches on the unit. Each combination represents a preset interval — from instant shutoff to a 4-hour delay. Slide the switches to match your preferred setting, and your system will handle the rest automatically.

**NOTE: The other set of DIP switches are for future product expansion and are not functional at this time.*



Dip Switch (Switch 1, 2, 3, 4)	Timer Values
0000	0 Seconds
0001	1 Minute
0010	5 Minutes
0011	10 Minutes
0100	15 Minutes
0101	30 Minutes
0110	1 Hour
0111	1 Hour 15 Minutes
1000	1 Hour 30 Minutes
1001	1 Hour 45 Minutes
1010	2 Hours
1011	2 Hours 15 Minutes
1100	2 Hours 30 Minutes
1101	3 Hours
1110	3 Hours 30 Minutes
1111	4 Hours