

Here is a summary of the LDP (Surge Protection) module and how to use/install it.

- 2 Different versions for 12V and 24V battery systems
- Designed to suppress ISO 7637 – 1 (12V), ISO 7637-2 (24V), SAEJ1113-11 Load dump test pulses and surges
- LDP modules will essentially 'Clamp' the terminal voltage to 17V for a 12V system and 35V for a 24V system
- Will protect against high energy surges such as an alternator load dump caused by battery terminal removal while under high charge currents
- Will protect against transients pulses and surges from other electrical/electronic devices such as motors, pumps etc.
- Relay output will only trigger under a High energy surge (load dump) and not transient pulses that can occur frequently
- Relay output drive will latch on after a load dump and will only reset after power is removed and re-applied
- Relay output drive is connected to battery voltage when triggered and can deliver 100mA.... enough to drive a relay coil, LED indicator etc.
- LDP module is polarised and must be wired correctly, however, reverse wiring will not damage LDP module
- LDP module should be wired at the input to the DC panel...i.e. after battery isolators, long cable runs etc.. Ideally, the loads should be drawn off the terminals of the LDP module to provide maximum protection to the boat circuits

