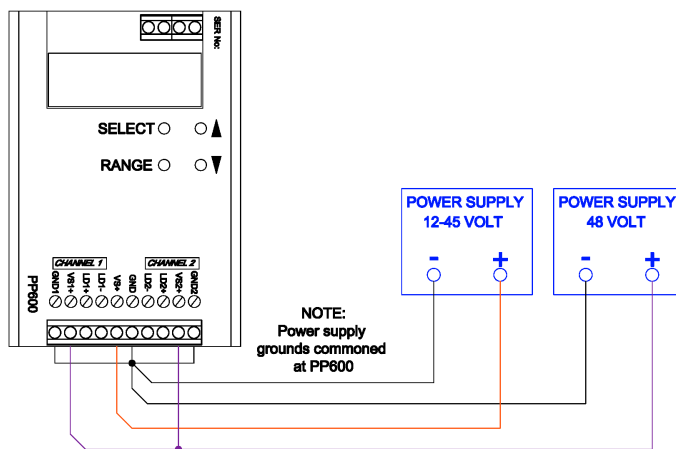


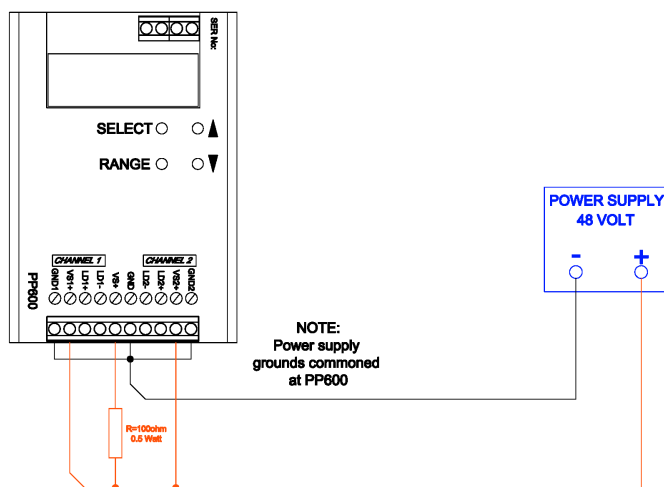
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Application Note – Powering the PP600 from 48V

The PP600 lighting supply inputs (VS1+ and VS2+) be connected to a 48V power supply so that high power pulses can be produced. However the digital supply (VS+) is limited to 45V (the specification is 40V). The standard way of wiring the PP600 is given below.



It is possible to power the PP600 from a single 48V supply. This is done by using an external resistor in series with VS+ to drop the 48V down to 45V, given that the current drawn by VS+ is almost constant (30mA to 40mA). This arrangement is given below.



The resistor should be 100ohms, rated at 0.5W. A suitable resistor is available in most countries from Farnell InOne, www.farnell.com. A suitable part number is 947-4102.

This application note applies to the PP600, PP602, PP610, PP612, PP600F, PP602F, PP610F, PP612F.

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