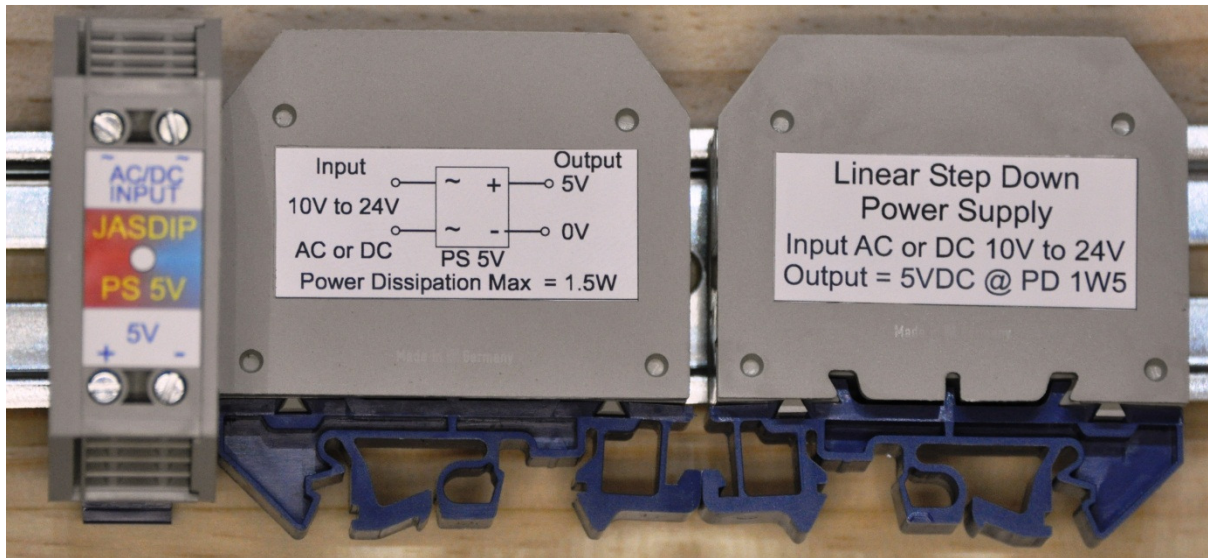




ABN 50 070 871 313

Innovative Control Systems, Design and Solutions

PS 5V – Linear Step Down Regulator (to supply small 5V devices)



- Convenient small rail mount package.
- Simple, low cost design. Uses a LM7805 linear regulator.
- Accepts AC or DC input voltages.
- Maximum output current is dependent on package power limit of 1.5 watts.
- Housing dimensions 59mm high x 20mm wide x 64.5mm deep (including mounting rail)

The output current for this unit is limited by the power it has to dissipate. Power Dissipation = (Input Voltage – Output Voltage) x Output Current. This value should be less than 1.5 watts. For AC voltages use the peak – 1.2V as input. The following table shows typical supply voltages and maximum current outputs:-

Supply Voltage	Maximum Output Current
24VDC	79 milliamps
13.8 VDC (12V battery)	175 milliamps
12 VDC	214 milliamps
18 VAC	62 milliamps
12 VAC	140 milliamps
24 VAC (not recommended)	50 milliamps