ΠVUMS POWERPRAG

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DC/DC Converters with Adjustable Output Voltage
with Output Power up to 200W

Based on standard converters of TTT Series from XP Power we can offer **step-down DC/DC converters without input/output isolation** (common input and output ground) with **remote control of the output voltage in a wide range** with the output power up to 200W. **Output voltage of the converter is proportional to the value of an external analogue voltage signal, which is applied on a control input of the converter.**

Specification:

- possible input voltage range: +**10 to +60VDC**
- possible output voltage range setting by an external analogue signal (three versions):
  - **0 to +15VDC (up to 20A)**
  - **0 to +30VDC (up to 12A)**
  - **0 to +50VDC (up to 6A)**
- external analogue signal in the range from **0 to 5V** or **0 to 10V**
- input voltage of the converter must be greater than the requested output voltage minimally by: **3V** (for input voltage higher than 15V), **5V** (for input voltage lower than 15V)
- external analogue signal isolated from the converter via an optocoupler, 100VDC
- accuracy of adjusting of the output voltage: better than 1% V20
- maximum output current: **6A**, **12A** or **20A** (three versions)
- maximum output power: **200W**
- overcurrent and short circuit protection with the output current limitation
- isolation voltage: input/output: none, input/chassis: 500VDC
- operational ambient temperature range : 0 ^{o}C to +50 ^{o}C (-25 ^{o}C to +60 ^{o}C for –T version)
- convection cooled
- dimensions: 177 mm x 57 mm x 172 mm (6.97" x 2.24" x 6.77")
- weight: 1.2 kg (2.64 lbs)

Application:
The converters are designed for example for PC controlled automatic testers (via a DA converter) or as adjustable power supplies for laboratory or technology use. **User must provide a proper fuse into +U INPUT line in order to comply with safety approvals.**

Mechanical drawing:
 (all dimensions in mm)
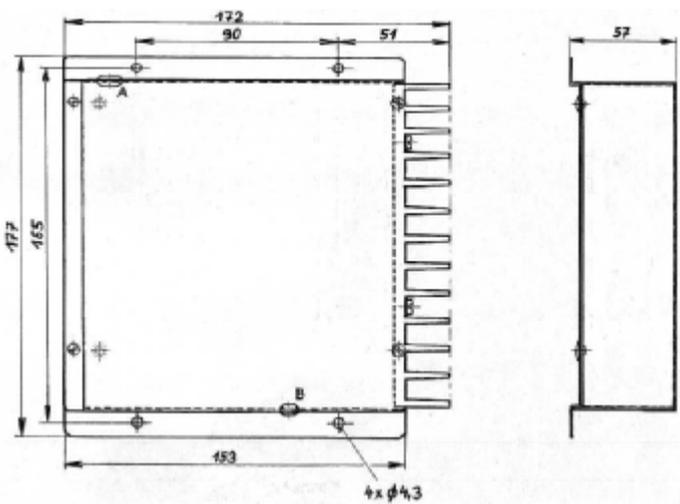
A: rubber bushing diameter 8 mm for power cables, B: rubber bushing diameter 4 mm for control cables

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