

DC TO DC CONVERTER - SUPPLY MODULE _____ PS-1

HIGH EFFICIENCY

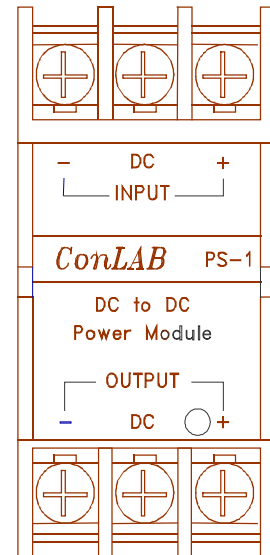
SETABLE OUTPUT VOLTAGE

SETABLE CURRENT LIMIT

SUPERB TEMPERATURE STABILITY

LOW COST

3 YEAR WARRANTY



The PS-1 unit is an extremely accurate and stable DC to DC converter, designed to power strain gauges and load cells.

PS-1 receives DC supply from the system's conventional power supply and generates required voltage output with low ripple and high regulation.

The minimum voltage drop needed is four volts, which means that the minimum input voltage needed for normal operation is four

volts higher than the required output voltage.

The PS-1 is a high efficiency unit, which can deliver up to 650mA output current with a minimal internal temperature rise.

The unit is housed in a low profile polycarbonate enclosure, mounted on a standard DIN rail. Its front access terminals allow the unit to be mounted side by side, with no wasted space, thus obtaining high density installation.

INPUT: Voltage DC

MINIMUM INPUT VOLTAGE: $V_o + 4$ Vdc

MAXIMUM INPUT VOLTAGE: 32 Vdc

OUTPUT VOLTAGE (V_o):

Version a: 3.5 to 7 Vdc

Version b: 8.5 to 16 Vdc

CURRENT LIMIT: 200 to 650 mA (settable)

LINE REGULATION: Better than 0.05% (for 10V change)

LOAD REGULATION: Better than 0.03% (for 20-550mA change)

OUTPUT RIPPLE: Better than 3mV RMS

EFFICIENCY: Better than 75%

TEMPERATURE STABILITY: 0.01%/°C

OPERATION TEMPERATURE: 0 - 70°C std.

HUMIDITY: 5 - 95% relative, non condensed

HOUSING: Plastic Polycarbonate

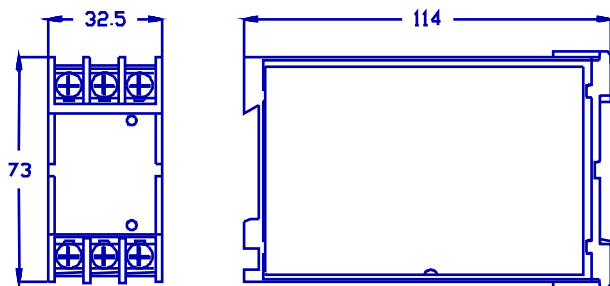
Box: IP-50

Terminals: IP-10

MOUNTING: Standard 35 mm DIN rail

WEIGHT: 125 gr.

Dimensions



data subject to change without notice