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PSC 232

POWER SUPPLY CONTROLLER

RS 232 BUS COMPATIBLE



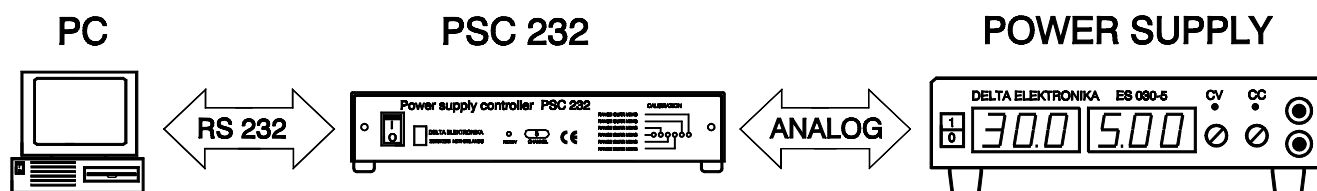
Features

- The PSC232 is an RS232 interface box designed for an analog programmable power supply
- Voltage and current programming, voltage and current monitor read-back
- Logic signals to read the power supply's status
- Control signal for Remote Shut Down
- Up to 10 PSC232 can be connected to only one RS232 BUS
- Programming voltage 0-5V or 0-10V selectable by internal switches

Programming

Programming a PSC232 is very simple. The on board processor allows programming with text strings corresponding with SCPI (**S**tandard **C**ommands for **P**rogrammable **I**nstruments).

The PSC232 can be programmed using a PC and terminal program or languages like Basic, Pascal, C, Visual Basic, LabView, Hpvee, Testpoint etc.



External connection between computer and analog programmable power supply.

Computer interface

RS 232 BUS baud rate : 4800 baud (fixed).
Signal level : +10V to -10V.

Connectors

To PC : D9 female.
To next PSC : D9 male.
To power supply : D15 male.

Specifications

Analog outputs : 0 - 5 V or 0 - 10 V.
Range adjustment : +/- 4%.
Offset adjustment : +/- 25 mV.
Accuracy : 0.2% after calibration.
Resolution : 12 bit.
Linearity error : 1 LSB.
TC typical : 40 ppm / °C.

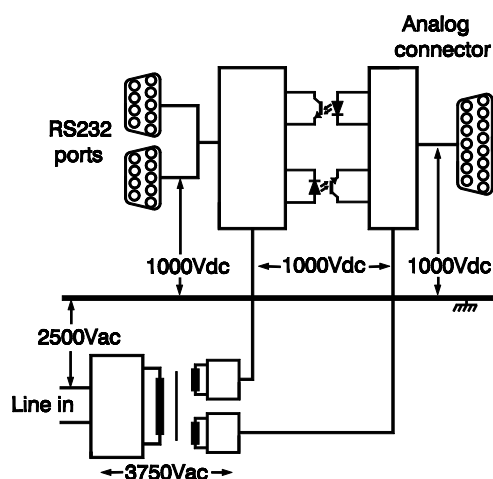
Analog inputs : 0 - 5 V or 0 - 10 V.
Range adjustment : +/- 4%.
Accuracy : 0.2%.
Linearity error : 1 LSB.
TC typical : 40 ppm / °C.

Analog in- and outputs have a common zero.
Logic in- and outputs have a common zero.
Logic high = 5V Logic low = 0V

Logic signals

1 x Logic program : Remote Shut Down.
5 x Logic read back : LIM, CC, OT, ACF and DCF status.

Isolation



LINE INPUT:

Wide range 98-264 VAC 48-62 Hz.
or 150-300 VDC.
Power consumption : 2 watts.

Hold-up time : 1 sec.

Ambient temperature

Operating 0 - 55°C, storage -40 to + 70°C.

Dimensions and weight

h x w x d = 40 x 218 x 155mm, 0.75 kgs.

EMC

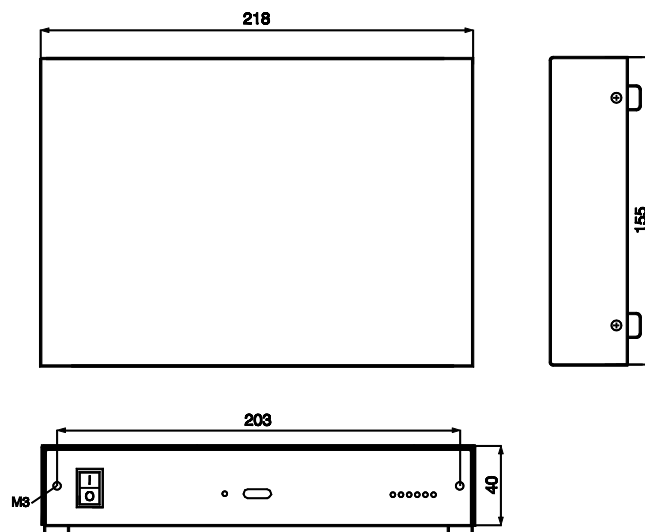
CE : EN50081-1.
EN50082-1 and 2.
Emission : EN55022-B.
EN61000-3-2, -3-3.
Immunity : EN61000-4-2/ -4-4/ -4-5/ -4-11.
ENV50140, 50141, 50204.

Enclosure: : IP20.

Accessories

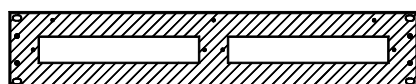
Following is supplied with the PSC232:

- RS232 cable 9M/9F 1.8m.
- Analog cable 15M/15F 0.6m.
- Line cord.
- Adapter 25F/9M.
- 2 pcs. wall mounting brackets H155.
- 3.5 inch diskette with software examples.
- Manual.



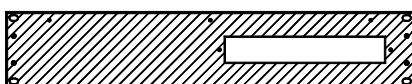
MOUNTING:

The PSC232 is not only suitable for bench use, but also for wall and 19 inch rack mounting. For rack mounting, 3 models of 1 U high front panels can be ordered.



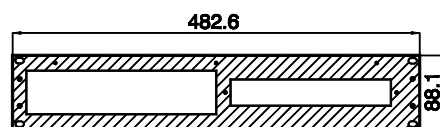
Front panel RA19 - 2RS

For horizontal 19" rack mounting of 2 units PSC232



Front panel RA19 - 1RS

For horizontal 19" rack mounting of 1 unit PSC232



Front panel RA19 - ESRS

For horiz. 19" rack mounting of 1 x PSC232 + 1 x ES