

PRODUCT DESCRIPTION

SPECTEC'S universal power supply provides DC power to drive a wide range of sensor products and signal conditioners. Screw terminals are provided for input AC power connections at 120V or DC power connections at 150V. We provide a selection of amplifiers and signal conditioners for convenient mounting in the power supply enclosure. In some cases, two signal conditioners can be powered by the same power supply.

ELECTRICAL SPECIFICATIONS

AC - IN:	80-130 VAC \leq 55 mA @ 46-63 Hz
DC - IN:	115-180 VDC \leq 55 mA
DC - OUT:	Options: 3.3V @ 600mA Max 5V @ 400mA Max 9V @ 222mA Max 12V @ 167mA Max 15V @ 133mA Max 24V @ 83mA Max
Ripple:	Output ripple \leq 150 mVrms
Connections:	AC/DC primary DC Output
Temp Range:	-25° to 75°C (-13° to 167°F) Open Frame at natural convection (.1m/s) at max load

POWER SUPPLY CONNECTIONS

AC-IN (P1)	L - Line N - Neutral G - Ground (Provided for case grounding only)
DC-OUT (P2 & P3)	V+ - Red Lead V- - Black Lead

POWER SUPPLY PHYSICAL SPECIFICATIONS

Dimensions (no Enclosure):	4.50 x 3.00 x 1.30
Mounting Hole Spacing:	3.78 x 2.36, ϕ .165 Hole size

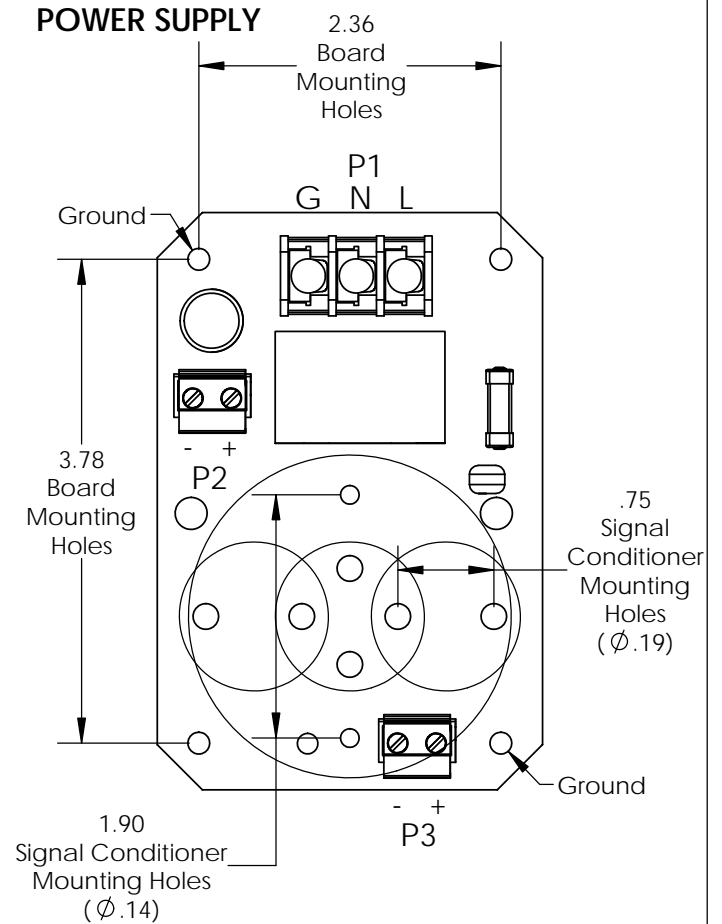
ENCLOSURE PHYSICAL SPECIFICATIONS

Dimensions of Enclosure:	5.12 x 3.75 x 2.24
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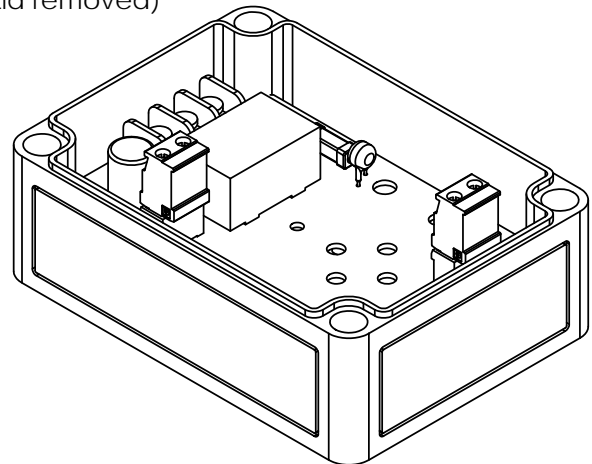
Construction:

Body is glass fiber reinforced polycarbonate, with knockouts in the bottom for line feeds. Polyurethane cover gasket assures water tight and dust tight seal.

Standards:	NEMA 4X, IP 66 CE Flammability rating: UL94-VO
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ENCLOSURE (Lid removed)



ORDER INFORMATION

STYLE:

OPTIONS:

4101 -

P2/P3:

- 0 - Solder Vias only
- 1 - 1 set 3" wires (at P2)
- 2 - 2 sets 3" wires (at P2 & P3)
- 3 - 1 Terminal block (at P2)
- 4 - 2 Terminal blocks (at P2 & P3)

DC - Out:

Volts (VDC)	Max Amps (mA)
1 - 3.3V	600mA
2 - 5V	400mA
3 - 9V	222mA
4 - 12V	167mA
5 - 15V	133mA
6 - 24V	83mA

Inputs:

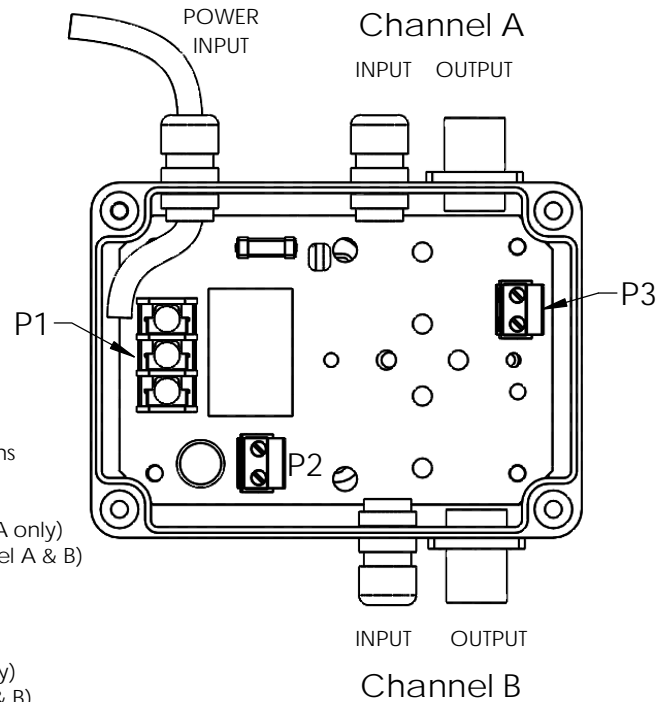
- 0 - No Enclosure and/or no interface connections
- 1 - Cable Gland (Channel A only)
- 2 - Cable Gland x2 (Channel A & B)
- 3 - Connector MO (MS3102E10SL-4P) (Channel A only)
- 4 - Connector MO x2 (MS3102E10SL-4P) (Channel A & B)

Outputs:

- 0 - No Enclosure and/or no interface connections
- 1 - Cable Gland (Channel A only)
- 2 - Cable Gland x2 (Channel A & B)
- 3 - Connector MO (MS3102E10SL-4P) (Channel A only)
- 4 - Connector MO x2 (MS3102E10SL-4P) (Channel A & B)
- 5 - Connector B (MS3112E8-2P) (Channel A only)
- 6 - Connector B x2 (MS3112E8-2P) (Channel A & B)

Enclosure:

- 0 - No Enclosure
- 1 - NEMA 4 Enclosure case without power cord (no cable gland)
- 2 - NEMA 4 Enclosure case w/3' power cord and NEMA 5-15 grounded plug (North American standard 2 blade with ground)



*Note: Custom configurations available, contact SPECTEC for further details

APPLICABLE SPECTEC SIGNAL CONDITIONERS

Conditioner Type	Sensor Type	P/N	Max Qty per Power Supply
Preamp(s) for	RF Pickups	4013-xx	qty. 2
Freq. to Current/Voltage for	RF pickups	4016-Axx	qty. 1
Preamp for	MAG pickups	4021-xxx	qty. 1
Preamp for	MAG pickups	4022-Axx	qty. 1
Preamp(s) for	MAG pickups	4023-xx	qty. 2
Freq. to Current/Voltage for	MAG pickups	4026-Axx	qty. 1
Freq. to Current Converter for	MAG pickups	4027-Axx	qty. 1
Freq. to Voltage Converter for	MAG pickups	4028-Axx	qty. 1

Signal conditioners can be ordered separately or pre-installed. To order pre-installed simply add "/" and the signal conditioner part number to the power supply part number. See the example below. To indicate a quantity of two conditioners (where applicable) add "-2" to the end of the part number.

Ordering P/N example for Power supply and 4022-Axx combo

4101-xxxxx/4022-Axx

Ordering P/N example for Power supply and quantity 2 of 4023-xx combo

4101-xxxxx/4023-xx-2