



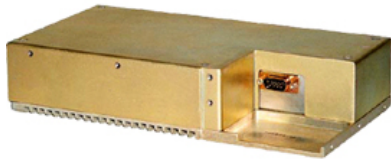
15531 Cabrito Road  
Van Nuys, CA 91406

[www.eoninstrumentation.com](http://www.eoninstrumentation.com)  
818-781-2185

3800 Oceanic Drive, #112  
Oceanside, CA 92056

## Product Data Sheet (07/06/2018)

### M162 Power Supply



#### Aircraft 28VDC Power Supply Model M-162

The 28 VDC Aircraft Power Supply has been designed to enable our customer's product to operate from 28 VDC aircraft power. Originally the product was designed to operate from 110 VAC 400 Hz aircraft power. Eon was contracted to re-design the 110 VAC power supply to operate from 28 VDC aircraft power while maintaining all of the existing features of the original supply. The Aircraft Power Supply is qualified to meet the EMC and environmental requirements of RTCA / DO-160C Category A / Z for commercial aircraft. The Power Supply includes input and output filtering, input power monitor, input power fault detection, power-up soft start & delayed start, line and load regulation, hold-up for input power interruption and hold-up for external memory during input power interruption. This power supply is an example of Eon's ability to modify an existing product to meet new requirements.

- Primary Power: 28VDC  $\pm$ 6VDC
- Maximum Current: 10 amps

### Environmental

- Operating Temperature: -40°C to +71°C
- Non-Operating Temperature: -40°C to +71°C
- Shock: 10g's for 11mS.
- Vibration: Double amplitude, sinusoidal  $\pm$ 2g's from 20 Hz and 500 Hz.
- Cooling: Radiated through cast aluminum heat sink.

### Mechanical

- Weight: < 4 pounds
- Size: Depth 10.0", Width 5.0", Height 2.0"
- Mounting: 9 each threaded 4-40 inserts.

#### Output Voltages

- + 24VDC @ 4.0 amps
- + 5VDC @ 10.0 amps
- +15VDC @ 0.75 amps
- - 15 VDC @ 0.75 amps

#### Connector 37S Type D (Amp 745784-4)

Pin	Function	Pin	Function
1	+5VDC	20	ACPF
2	+5VDC RTN	21	DCPF
3	PWR IND	22	VBAT
4	ON/OFF	23	-15VDC
5	+15VDC	24	+5VDC
6	+15VDC	25	+5VDC
7	+15VDC	26	+5VDC
8	+15VDC	27	+5VDC
9	+15VDC	28	PTEMP
10	+15VDC	29	GND
11	+24VDC CONTROL	30	GND
12	NO CONNECTION	31	GND
13	SELF TEST	32	GND
14	GND	33	GND
15	GND	34	GND
16	GND	35	+24VDC
17	+24VDC	36	+24VDC
18	+24VDC	37	+24VDC
19	+24VDC		

#### Connector 9P Type D (M24308 / 1-1)

Pin	Function	Pin	Function
1	+28VDC	6	GND
2	+28VDC RTN	7	+28VDC RTN
3	+28VDC	8	NO CONNECTION
4	+5VDC	9	+5VDC RTN
5	GND		