



LEADING BY DESIGN

P176

Dimmer Power Supply



The last dimmer power supply your aircraft will ever need. The P176 is a direct replacement for the AS350.

The P176 Dimmer Power Supply is a direct replacement for the AS350 OEM Dimmer Power Supply. The P176 is the exact same footprint as the OEM unit, is plug compatible, and does not require any wiring changes or modifications for installation. In addition, because no spacers are required to mount the unit, installation is fast and painless for mechanics.

The P176 Dimmer Power Supply is also short circuit and thermally protected, eliminating costly repairs caused by electrical shorts. In the event of a short circuit, the Dimmer Power Supply will shut down as a precautionary measure and resume normal operation when the short is removed. There are no fuses to replace in the unit, as it is self-resetting.

P176 Features

- Direct replacement for OEM P/N 704A46814049
- Short-circuit and thermal protected
- Gold-plated contacts for the vertical header and edge connector
- Conformal coated to prevent corrosion of the PCB
- Linear design generates no radiated electromagnetic interference.



Specifications

STANDARD SPECIFICATIONS

| | |
|----------------------------|---|
| Input Voltage | 24 to 32 VDC |
| Input Current at Full Load | 6 Amps Max. |
| Output Voltage | Adjustable, 2 to 28 VDC |
| Power Output | 5 Amps Max. (2 ch. at 2.5 Amps each) |
| Overload (OL) | 110% to Thermal Limiter |
| Protection (OL) | Thermal Shutdown, Auto Recover |
| Protection (SC) | 6 Amps, I in 0.5 Amps Max. |
| Efficiency | Linear |
| Temperature | -40 to 80C |
| Cooling | No Fan. Convection and Thermal Conduction to Heatsink. |
| Finish | Epoxy Powder Coat |
| Weight | 1.5 lbs. |
| Size | 5.7 W x 5.85 L x 2.42 H inches. Less protrusion of connector. |
| Installation Time | 20 Minutes |

P176 MECHANICAL SPECS

| | |
|--------|--------|
| HEIGHT | 2.42" |
| WIDTH | 5.7" |
| LENGTH | 5.85" |
| WEIGHT | 1.5 LB |

Certification

| CERTIFICATION | AIRFRAME(S) |
|------------------------|-----------------------------------|
| FAA/PMA STC SH4747NM | AS350 B, BA, B1, B2, B3, C, D, D1 |
| Brazil CHST 2007S06-09 | AS350 B, BA, B1, B2, B3, C, D, D1 |
| Canada STC SH93-83 | AS350 B, BA, B1, B2, B3, C, D, D1 |
| EASA.IM.R.01343 | AS350 B, BA, B1, B2, B3, C, D, D1 |

For more details, please email
newproducts@aem-corp.com
 and see Installation & Operation
 manuals on our website:
aem-corp.com

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