

COREPOWER® Systems

Intelligent Electronic Power Distribution



1162-4

Electronic Circuit Breaker Unit (ECBU)

Size

9.5 In W x 2.5 In H x 8.26 In L
(241 mm W x 63 mm H x 210 mm L)

Weight

3.15 lbs
(1.43 kg) nominal

POWER

Input/Output:

- 28VDC aircraft power or
- 24VDC battery back-up power

Continuous Current Rating and Protection:

- 120A maximum

SAFETY

- Electronic Circuit Breaker (ECB) monitoring and control interlock enhances reliability
- Each ECB maintains control and current protection for at least one other ECB providing redundant circuit protection

CERTIFICATION

- DO-160D
- DO-178B, Level B

FEATURES

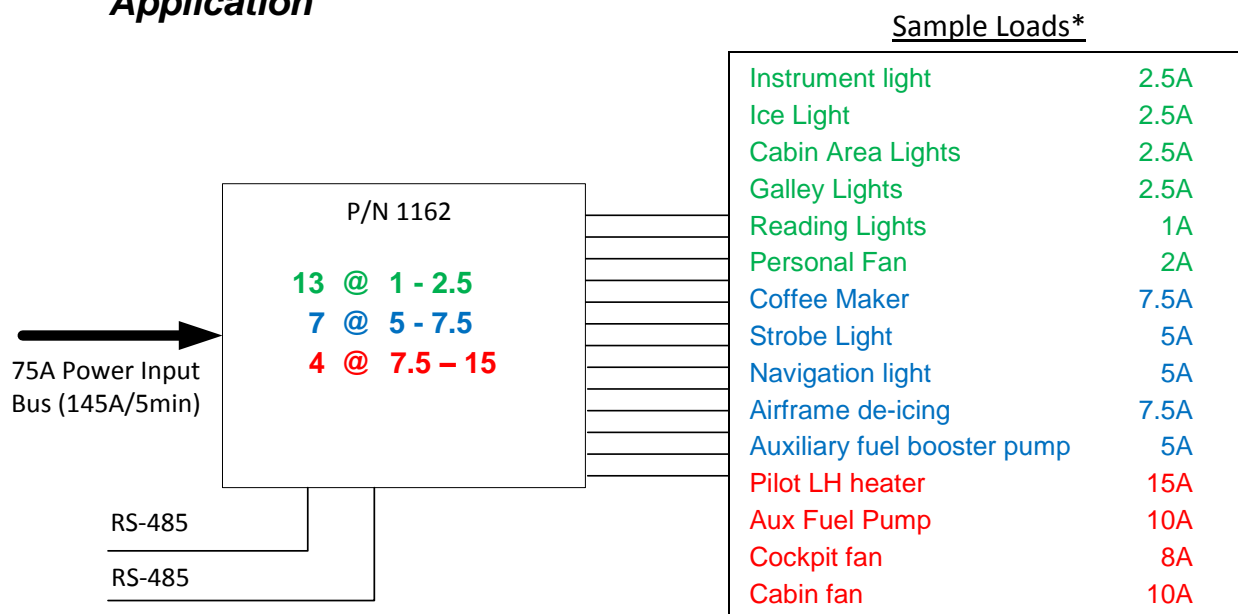
- 24 ECBs of various ratings (2.5A-15A)
- Instantaneous and I²t type (thermal emulation) current protection
- Individual ECB current protection rating is data-base configurable (within a specified current range of the ECB)
- The dual RS-485 buses provide for:
 - On/Off control of Electronic Circuit Breakers (ECB)
 - Electronic Circuit Breaker status
 - Voltage Monitoring of the ECB
 - ECB current data
- ECBs are interlocked to provide redundant control and current protection
- Dual redundant central processors
- Dual redundant auxiliary power supplies
- Built-In Test

COREPOWER® Systems

Typical

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Application



* Loads can be tailored for the specific aircraft application

1162 Electronic Circuit Breaker Capacity

13 channels of 1—2.5 amp
programmable ECBs

7 channels of 5—7.5 amp
programmable ECBs

4 channels of 7.5—15 amp
programmable ECBs

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