

# EMPOWER<sup>®</sup> System

## Advanced Master Control Unit (AMCU)

P/N 1176-1



**Size:**

8.27 in W x 9.45 in D 5.90 in H maximum  
(210 mm x 240 mm x 150 mm) maximum

**Weight:**

7.5 lbs  
(3.40 kg) nominal

### Features

- Patented stand alone system power management or seamless integration with In-Flight Entertainment (IFE) systems to provide flexible zone/column control and power management (US PMCA #5,754,445)
- Distributes five columns of power and data communication to In-seat Power Supply (ISPS), seat motors, reading lights, IFE systems and more
- Column Ground Fault Interrupt (GFI) Protection with selectable sensitivity
- Multiple AMCUs can communicate via Ethernet on a network to manage the total cabin power demand in conjunction with the IFE system
- Power limit can be configured for individual aircraft requirements through a Configuration Module (CM), built-in defaults or through a network (Ethernet) communication
- Individual column Electronic Circuit Breakers (ECBs) with selectable current limits, remote reset and backup fuses on all outputs
- Built-In Test Equipment (BITE) and continuous fault monitoring reported via Ethernet communication to IFE system
- Multifunction programmable Input / Output (I/O) – multiple discrettes
- RTCA DO-160D, Airbus and Boeing compliant and offerable
- Other unique programmable feature enhancements
- Downloadable software – via IFE system
- Built-in web server for integration with the IFE system for systems status interrogation (BITE, power outputs, software version, latched faults, etc.)
- Certified and PMA'd on multiple aircraft types

### Specifications

- Input power: 115VAC, 400Hz, 3-phase, 25A rms maximum per phase
- Output power: 8,625 VA maximum  
115VAC, 400Hz, 3-phase, 25A rms maximum per phase (across 5 outputs)

Actual product specifications may have changed since the printing of this brochure. Brochure specifications are not binding. Confirm current specifications at time of order.



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