AMAC | UFCP

UP-FRONT CONTROL UNIT

#Avionics

4" x 1,35" LED DOT MATRIX
64 ROWS X 224 COLUMNS RESOLUTION
WIDE VIEWING ANGLE

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AMAC UFCP is specially designed to enable the pilots to control the A/C systems using pushbuttons, rotary knobs, rocker switch and joystick. AMAC UFCP includes potentiometers which provides additional controls related with the HUD operation. AMAC UFCP includes a yellow-green dot matrix LED display to provide annunciation and warning functions to the pilots.

AMAC UFCP provides RS-485 serial communication for display generation, keyboard and status communication. AMAC UFCP has also Built-In Test capability for maintenance purposes.

AMAC UFCP has a separate Power Supply unit to convert the A/C 28VDC to the necessary 12VDC input voltage for AMAC UFCP to operate.

Display Specifications

- Display Type : Dot Matrix LED Display
- Display Area : 4" x 1.35"
- Resolution : 64 Rows x 224 Columns
- Display Color : Yellow-Green
- Viewing Envelope : +/- 45° Horizontal
  : +/- 45° Vertical
- Luminance Range : 0.1 Fl - 250 Fl
- Nvis Compatibility : Compliant With Both
   Mil-Std-85762 & Mil-Std-3009
   Class B

General Specifications

- High Resolution
- High Luminance
- Wide Viewing Angle
- Wide Dimming Range
- NVIS Class B Compatible
- Provides HUD Controls
- Bezel Keys For User Data Input
- Single LRU Compact design
- Easy to Integrate

Interfaces

- Discrete Interface
- Analog Interface
- RS-485 Serial Interface

Physical Specifications

- Dimensions:
  - AMAC UFCP: 102.8 mm (H) x 136.4 mm (W) x 57.9 mm (D)
  - AMAC UFCP Power: 76.2 mm (H) x 101.6 mm (W) x 120.7 mm (D)
- Weight: < 2.4 kg (Total Weight for UFCP & Power Supply)

Environmental Conditions

- Operating Temperature and Altitude: -40°C / +55°C, 31.000 ft
- Storage Temperature: -55°C / +85°C

Technical Specifications

- Input Power : 12 VDC for UFCP
   : 28 VDC for UFCP Power Supply

Qualifications

- MIL-STD-810F
- RTCA DO-160E
- MIL-STD-461E
- MIL-STD-704

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