

UFCP

UP-FRONT CONTROL UNIT

4" x 1,35" LED
DOT MATRIX

64 ROWS X 224 COLUMNS
RESOLUTION

WIDE
VIEWING ANGLE





UFCP

UP-FRONT CONTROL UNIT

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

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

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

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

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

Interfaces

- Communication Interfaces : RS-485, discrete and analog interfaces
- Input Power : 12 VDC for UFCP
: 28 VDC for UFCP Power Supply

Qualifications

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

Physical Specifications

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