

JRC CBD-1832 Power Supply Unit - Technical Specification

Part Name: CBD-1832 Main Power Supply Unit

Application: JRC Radar/ECDIS Systems (e.g., JAN-701B, JAN-901B, JMA-922B)

1. General Description:

The CBD-1832 is an internal power supply unit converting shipboard AC power into regulated AC/DC outputs for internal processing units, displays, and backplane boards.

2. Key Features:

- Converts 110V/220V AC ship mains
- NOR/REM switch for operation mode
- Local breaker control
- Power fail alarm output (PWR_ALM)

3. AC Input Specification:

- Voltage: 110/220V AC selectable
- Frequency: 50/60Hz
- Breaker: Local ON/OFF

4. Outputs & Connections:

AC Outputs:

- J812: AC to monitor unit
- J813: AC to ATX supply

DC Outputs:

- TB802/TB804: DC to backplane/processing boards
- DC output cable: supplies regulated DC rails internally

5. Control & Status Signals:

- Slide switch (NOR/REM) controls power delivery mode
- PWR_ALM: power fail alarm signal to operation panel

6. Physical Information:

- Approx Weight: ~10 kg
- Form Factor: PCB/module inside processing unit
- Mounting: Inside processing box

7. Notes & Limitations:

- Electrical output specs (amps, tolerances) are not publicly published
- Based on official system manuals (JAN-701B/901B)

Reference Manual:

- JAN-701B/901B Installation Manual PDF:
<https://pdfcoffee.com/jan-701b-901b-installation-manual-pdf-free.html>