

Allen-Bradley 2711P-B10C1D2 Manual

Brand	Allen-Bradley
Product Series	2711P
Product Type	HMI terminal

Description

The 2711P-B10C1D2 from Allen Bradley is an HMI terminal designed to facilitate interactive control. It features a user-friendly combination of a keypad and touchscreen interface, complemented by a 10.4-inch display that provides a resolution of 640 x 480 pixels. Technical specifications for 2711P-B10C1D2

Manufacturer Allen Bradley

Series Panelview Plus 1000

Part Number 2711P-B10C1D2

Product Type HMI terminal

Input Keypad & touchscreen

Display Size 10.4 inches

Resolution 640 × 480 pixels

Supply Voltage 24 V DC (18–32 V)

Power Consumption 25 W max

PCI Slot Power 11 W max

Battery Life ≥ 4 years @ 25 °C

Clock Accuracy ± 2 min/month

Operating Temperature 0–55 °C (32–131 °F)

Humidity 5–95 % non-condensing

Heat Dissipation 240 BTU/hr

Backlight Life CCFL, ≥ 50,000 hours

Onboard RAM 128 MB

Flash Expansion Up to 512 MB CompactFlash

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Description

The Allen Bradley 2711P-B10C1D2 HMI terminal is robust and designed for efficient human-machine interactions. It integrates a keypad and touchscreen, providing flexible input options for users. The display measures 10.4 inches diagonally, with a resolution set at 640 by 480 pixels, ensuring clarity in visual presentations.

Powering the device requires a supply voltage of 24 V DC, which can operate within a range of 18 to 32 V. This model can consume a maximum power of 25 watts, while its PCI slot can draw up to 11 watts. The terminal is designed to function in temperature environments ranging from 0°C to 55°C (32°F to 131°F) while operating efficiently under a humidity range of 5% to 95% without condensation.

For maintenance, the battery can last for a minimum of 4 years at 25°C, supporting longevity in usage. The terminal features a clock with an accuracy of ±2 minutes per month. Heat dissipation is rated at 240 BTU per hour, allowing for effective thermal management.

Additionally, the backlight employs a Cold Cathode Fluorescent Lamp (CCFL) with a lifespan of at least 50,000 hours. It also includes 128 MB of onboard RAM for operational tasks and enables Flash expansion capabilities up to 512 MB using CompactFlash, allowing for ample data storage and application flexibility.

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