FANUC FANUC □□□ Series Service Manual

A02B-0118-B002

1. Description

FANUC's A02B-0118-B002 serves as a basic control unit tailored for integration within FANUC CNC environments and various automation systems. This unit is capable of handling multiple I/O points and operates within a modest supply voltage range of 4.75 to 5.25 V.

2. Specifications

Specification	Value
Manufacturer	**FANUC**
Product	**Type Basic control unit**
Product	**Line A02B**
Part	**Number A02B-0118-B002**
Weight	**11.00 lbs (4.99 kg)**
Humidity	**Up to 90% (non-condensing)**
IP	**Rating IP20**
Shock/Vibration	**Resistance During operation: 0.5G or less**
I/O	**Capacity Multiple I/O points**
Communication	**FANUC protocols**
Cooling	**Passive/active cooling**
Compatibility	**FANUC CNC systems/automation setups**
Connectors	**Standard industrial types**
Certifications	**CE, UL**
Supply	**Voltage 4.75 to 5.25 V (at reception terminal)**
Power	**Dissipation 0.9 W**
Ambient	**Temperature Operating: 0 to 45°C, Storage & Transportation: -20 to 60°C**
Required	**Current 180 mA (maximum)**
Description	
The	**A02B-0118-B002 control unit, produced by FANUC, operates effectively as a fundamental component in CNC and automation systems. Supporting a maximum supply voltage of 5.25 V and minimum of 4.75 V at the reception terminal, this device uses a standard current consumption up to 180 mA. With its passive/active cooling system, it helps maintain operational eff**

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Technical specifications for A02B-0118-B002

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This unit is rated for operation in ambient conditions from 0 to 45°C and can be stored or transported where temperatures range between -20°C and 60°C. The A02B-0118-B002 control unit accommodates up to 90% humidity without condensing, enhancing its reliability across different settings. It boasts an IP20 rating, indicating limited protection against solid objects but ensuring effective operation in non-hazardous climates.

The device showcases robustness in its capability to resist minor shocks and vibrations, staying functional under operational conditions of 0.5G or less. Communication is facilitated via FANUC's protocol and is compliant with standard industrial connector types. It contains multiple I/O points to simplify integration into existing systems. Certified by CE and UL, the unit reflects a commitment to quality and safety in industrial applications, making it a reliable choice for manufacturers and users alike.