



Universal I/O Chassis

(Cat. No. 1771-A1B, -A2B, -A3B, -A3B1, -A4B Series B)

To the Installer

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Important User Information

Because of the variety of uses for the products described in this publication, those responsible for the application and use of these products must satisfy themselves that all necessary steps have been taken to assure that each application and use meets all performance and safety requirements, including any applicable laws, regulations, codes and standards. In no event will Allen–Bradley be responsible or liable for indirect or consequential damage resulting from the use or application of these products.

Any illustrations, charts, sample programs, and layout examples shown in this publication are intended solely for purposes of example. Since there are many variables and requirements associated with any particular installation, Allen–Bradley does not assume responsibility or liability (to include intellectual property liability) for actual use based upon the examples shown in this publication.

Allen–Bradley publication SGI–1.1, Safety Guidelines for Application, Installation, and Maintenance of Solid–State Control (available from your local Allen–Bradley office), describes some important differences between solid–state equipment and electromechanical devices that should be taken into consideration when applying products such as those described in this publication.

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Throughout this publication, notes may be used to make you aware of safety considerations. The following annotations and their accompanying statements help you to identify a potential hazard, avoid a potential hazard, and recognize the consequences of a potential hazard.

WARNING

Identifies information about practices or circumstances that can cause an explosion in a hazardous environment, which may lead to personal injury or death, property damage, or economic loss.

ATTENTION

Identifies information about practices or circumstances that may lead to personal injury or death, property damage, or economic loss.

IMPORTANT

Identifies information that is critical for successful application and understanding of the product.

Specifications

I/O Chassis Series B (Cat. No.)	Type of Mount	General Dimensions (W x H x D)	Weight (without modules)	I/O Module Slots	Maximum Backplane Current @ 5V dc	Compatible Replacement for Chassis	
						Series A	Supersedes
1771-A1B	panel	229 x 315 x 193mm (9.0 x 12.4 x 7.6 inches)	3.6kg (8lbs)	4	16A	1771-A1B	1771-A1
1771-A2B	panel	356 x 315 x 193mm (14.0 x 12.4 x 7.6 inches)	4.5kg (10lbs)	8	16A	1771-A2B	1771-A2
1771-A3B	panel or 19" rack	483 x 339 x 221mm (19.0 x 13.35 x 8.7 inches)	5.9kg (13lbs)	12	24A	1771-A3B	none
1771-A3B1	panel	483 x 315 x 193mm (19.0 x 12.4 x 7.6 inches)	5.9kg (13lbs)	12	24A	1771-A3B1	none
1771-A4B	panel	610 x 315 x 193mm (24.0 x 12.4 x 7.6 inches)	7.3kg (16lbs)	16	24A	1771-A4B	1771-A4

General Specifications

Environmental Conditions	
Operating Temperature	IEC 60068-2-1 (Test Ad, Operating Cold) IEC 60068-2-2 (Test Bd, Operating Dry Heat) IEC 60068-2-14 (Test Nb, Operating Thermal Shock) 32 to 140°F (0 to 60°C)
Storage Temperature	IEC 60068-2-1 (Test Ab, Unpackaged, Nonoperating Cold) IEC 60068-2-2 (Test Bb, Unpackaged, Nonoperating Dry Heat) IEC 60068-2-14 (Test Na, Unpackaged, Nonoperating Thermal Shock) -40 to 185°F (-40 to 85°C)
Relative Humidity	IEC 60068-2-30 (Test Db, Unpackaged, Nonoperating Damp Heat) 5 to 95%, noncondensing
Shock	IEC 60068-2-27 (Test Ea, Unpackaged Shock)
Operating	15g
Nonoperating	30g
Vibration	IEC 60068-2-6 (Test Fc, Operating) 2g @ 10-500Hz
Emissions	CISPR 11 Group 1, Class A
ESD Immunity	IEC 61000-4-2 4KV Indirect Discharges
Radiated RF Immunity	IEC 61000-4-3 10V/m with 1kHz sine-wave 80% AM from 30MHz to 1000MHz
Enclosure Type Rating	None (open style)

Agency Certification (when product is marked)	UL	UL Listed Industrial Control Equipment
	CSA	CSA Certified Process Control Equipment for Class I, Division 2 Group A, B, C, D Hazardous Locations
	CE ¹	European Union 89/336/EEC EMC Directive, compliant with: EN 50081-2, Industrial Emissions EN 50082-2, Industrial Immunity European Union 73/23/EEC LVD Directive, compliant with: EN 61131-2, Programmable Controllers
	C-Tick ¹	Australian Radiocommunications Act, compliant with: AS/NZS 2064, Industrial Emissions
	¹ See the Product Certification link at www.ab.com for Declarations of Conformity, Certificates, and other certification details.	



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