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Data Sheet

August 13, 2026

ROCKWELL / ALLEN-BRADLEY

Rockwell / Allen-Bradley 1771-IAD 120V AC/DC Input Module

Key Features - 16 inputs, 120 V AC/DC category - 79-138 V AC or DC operating - 195 mA backplane - 1771-WH wiring arm Technical Specifications Model: 1771-IAD Manufacturer: Allen-Bradley / Rockwell Automation Instrument Type: Discrete AC/DC Input Module Series: 1771 PLC-5 I/O Alias: 1771-IAD; 1771IAD Module Type: digital AC/DC input Number Of Inputs: 16 Voltage Category: 120 V AC/DC AC Operating Voltage: 79-138 V DC Operating Voltage: 79-138 V Backplane Current: 195 mA Max AC Off State Current: 2.8 mA Typical AC On Delay: 5 +/-3 ms Typical DC On Delay: 3 +/-0.1 ms or 10 +/-1 ms Typical AC Off Delay: 25 +/-5 ms Typical DC Off Delay: 25 +/-5 ms Wiring Arm: 1771-WH Dimensions: 89 x 165 x 51 mm (3.5 x 6.5 x 2).



MODEL

Rockwell / Allen-Bradley 1771-IAD

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1771-IAD

LISTING

<https://aumictechlabs.com/products/1771-iad-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Rockwell / Allen-Bradley 1771-IAD is a 16-channel digital input module for PLC-5 systems and the 1771 I/O platform. It accepts 120 VAC (50/60 Hz) or 125 VDC signals from discrete field devices including pushbuttons, limit switches, selector switches, and relay/contact auxiliary contacts. The module features selectable input signal delays optimized for AC and DC sources, enabling stable signal processing in electrically noisy industrial environments while maintaining

fast response to state changes.

Technical Specifications

Input Characteristics 16 discrete inputs at 120 VAC / 125 VDC nominal On-state voltage range: 79 to 138 VAC or VDC Nominal input current: 9.9 mA @ 120 VAC 60 Hz, 8.7 mA @ 120 VAC 50 Hz, 2.56 mA @ 125 VDC Maximum off-state current: 2.8 mA AC, 0.8 mA DC Signal Delays (Selectable) AC on-state: 5 ms (± 3 ms) or 20 ms (± 5 ms) DC on-state: 3 ms (± 0.1 ms) or 10 ms (± 1 ms) AC/DC off-state: 25 ms (± 5 ms) Power & Thermal Backplane current draw: 195 mA @ 5V Maximum power dissipation: 8.8 W (30.1 BTU/hr) Minimum power dissipation: 1.0 W (3.42 BTU/hr) Physical Dimensions: 89 × 165 × 51 mm (3.5 × 6.5 × 2.0 inches) Weight: 1.00 lbs (0.45 kg) Module indicators: 1 green active LED; 16 red status LEDs

Key Features Dual voltage compatibility (AC and DC) in single module Independently selectable signal filtering for AC and DC inputs Screw terminal connections via 1771-WH wiring arm Maximum conductor gauge: 14 AWG stranded

Typical Applications Discreet industrial signal monitoring, machine safety circuits, process control interlocks, equipment status indication, and automation systems requiring mixed AC/DC input sources.

Compatibility & Integration Compatible with Allen-Bradley 1771 chassis platforms (1771-A1B through A4B and later universal chassis models). Requires 1771-WH field wiring arm for terminal connections.

Features & description

From manufacturer datasheet

Features

- 16 inputs, 120 V AC/DC category

1771IAD Characteristics / Specifications

PARAMETER	VALUE
Model	1771-IAD
Manufacturer	Allen-Bradley / Rockwell Automation
Instrument Type	Discrete AC/DC Input Module
Series	1771 PLC-5 I/O
Alias	1771-IAD; 1771IAD
Module Type	digital AC/DC input
Number Of Inputs	16
Voltage Category	120 V AC/DC
AC Operating Voltage	79-138 V
DC Operating Voltage	79-138 V
Backplane Current	195 mA
Max AC Off State Current	2.8 mA
Typical AC On Delay	5 +/-3 ms
Typical DC On Delay	3 +/-0.1 ms or 10 +/-1 ms
Typical AC Off Delay	25 +/-5 ms
Typical DC Off Delay	25 +/-5 ms
Wiring Arm	1771-WH
Dimensions	89 × 165 × 51 mm (3.5 × 6.5 × 2.0 in)
Chassis	1771-A1B, A2B, A3B, A3B1, A4B, 1771-AM1, AM2
Platform	PLC-5 / 1771 I/O
Isolation	1771 input optical isolation class (see 1771-IAD installation instructions)
Indicators	per-point status LEDs class 1771 digital
Keying	1771 module keying bands per installation sheet
Related	1771-IAN is 120 Vac only; 1771-IBD is 10-30 Vdc; do not mix voltage categories
Status	legacy PLC-5; migration path ControlLogix 1756 digital AC inputs

PARAMETER	VALUE
Country Listing	USA on many 1771-IAD distributor sheets
Slot	occupies one 1771 I/O slot
Field Wiring	1771-WH swing arm, not 1771-WN Notes Specs from Allen-Bradley 1771-IAD module data (16-point 120 V AC/DC). Confirm AC vs DC field voltage and 1771-WH arm.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

Specs from Allen-Bradley 1771-IAD module data (16-point 120 V AC/DC). Confirm AC vs DC field voltage and 1771-WH arm.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.