

Allen-Bradley 1771-ID16

The 1771-ID16 digital AC/DC input module is part of the PLC 5 series by Allen-Bradley/Rockwell Automation. It features 16 inputs and it can operate with both AC and DC voltage. The 1771-ID16 digital AC/DC input module can operate at either 77 to 138 Volts AC or at 105 to 138 Volts DC. The rated backplane current of this input module is 75 milliamps. The 1771-ID16 digital AC/DC input module

Technical specifications for 1771-ID16

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1771-ID16

Module Type Digital AC/DC Input Module

Number of Inputs 16 Inputs

Voltage Category 120 Volts AC/DC

AC Operating Voltage 77-138 Volts

DC Operating Voltage 105-138 Volts

Backplane Current 75 Miliampere

Max AC Off-State Current 4.0 Miliampere

Max DC Off-State Current 1.8 Miliampere

Typical AC Signal Delay (On) 1 ms

Typical DC Signal Delay (On) 1 ms

Typical AC Signal Delay (Off) 9 or 18 ms

Typical DC Signal Delay (Off) 9 ms

Wiring Arm 1771-WN

Dimensions 3.5 x 6.5 x 2.0 in (89 x 165 x 51 mm)

UPC 10612598115928 Description

The Allen-Bradley 1771-ID16 is an all-purpose 120V AC/DC isolated input that is part of the 1771 Digital AC/DC Input Modules for PLC-5 Processors. It features customer-selectable input filtering that suppresses voltage transients resulting from the contact bounce or radiated electrical noise. The result in performance is dramatic – improving power quality and enhancing product longevity while minimizing electrically-related downtime. The 1771-ID16 120V AC/DC Isolated Input has a factory-set filter time of 9ms. Due to filtering, the typical signal delay is 9 or 18ms for turning the AC inputs from on-to-off and 0.57ms for turning AC inputs from off-to-on; for DC, its delay has a value of 9ms for turning from on-to-off and 0.57ms from off-to-on. This module works with a 1771-A1B or 1771-A4B or later I/O chassis. Because of the capacitive impedance input, there is initial current associated with this input. Connections to the 1771-ID16 Digital Module are made thru the 40 Terminal Field 1771-WN Wiring Arm that is shipped with it. This wiring arm is attached to the I/O chassis' pivot bar. This allows the removal or insertion of the 1771-ID16 without disconnecting the wires. This module is built for Isolated-circuit multi-phase applications and work with float switches, selector switches, limit switches, and pushbuttons.

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