

Allen-Bradley 1771-IC

Allen Bradley PLC 5 Digital DC Input Module, 8 Inputs, 42-56 Volts DC Operating Voltage, 74 Miliampere Backplane Current Technical specifications for 1771-IC

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1771-IC

Module Type Digital DC Input Module

Number of Inputs 8 Inputs

Voltage Category 10-60 Volts DC, Sink (Source Load)

DC Operating Voltage 42-56 Volts

Backplane Current 74 Miliampere

Max DC Off-State Current 3.7 Miliampere

Typical DC Signal Delay (On) 15 (+/- 7) ms (Digital Filter)

Typical DC Signal Delay (Off) N/A

Wiring Arm 1771-WN

Coating Conformal Coat

Typical AC Signal Delay (Off) 20 (+/- 15) ms

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

The Allen-Bradley 1771-IC is a digital input module in the 1771 Series of Digital I/O Modules used in the assembly of PLC-5 Systems. It features input filtering that limits and suppresses the effects of voltage transients caused by electrical noise and/or contact bounce. This decreases the occurrence of electrically-related downtime, and doubles or triples product life. Plus, this DC module is shipped in a static-shield bag for protection against electrostatic discharge. The 1771-IC Digital DC Input is a sink-type (source load) module with a 10-60V DC voltage category and total of 8 inputs. It receives power via the 1771 I/O backplane from the power supply and it has a 42-56V DC operating voltage range. It requires a 74mA backplane current load from the supply's output. Its maximum off-state current is 3.7 mA. Due to input filtering, it has a typical signal delay of 17 (± 7) ms when turned on and of 20 (± 7) ms when turned off. The 1771-IC Module works with 2 and 3 - wire devices including DC proximity switches, limit switches, float switches, pushbuttons, photoelectric sensors, and selector switches. For 3-wire applications, the off-state leakage should not exceed 4mA. It uses wiring arm with catalog number 1771-WA.

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