

Installation Data
DC (12–24V) Driver Logic Input Module
Cat. No. 1771-IV

Specifications

Inputs per Module	8
Module Location	1771 I/O chassis
Input Voltage Range (+dc)	12 to 24V dc
Nominal Input Current (Sourced)	8mA at (+dc – 12V dc); 24mA at (+dc – 24V dc)
Minimum Off-state Current	3.0mA at (+dc – 7V dc)
Maximum Off-state Voltage	(+dc – 7V dc)
Minimum On-state Voltage	(+dc – 10V dc)
Input Impedance	1 to 2K ohms maximum (on-state) 2 to 3K ohms maximum (off-state)
Input Signal Delay	Low to high propagation delay 15ms (±7ms) High to low propagation delay 15ms (±7ms)
Power Dissipation	5.8 Watts (max.), 0.4 Watts (min.)
Thermal Dissipation	19.9 BTU/hr (max.), 1.3 BTU/hr (min.)
Backplane Current	74mA @ 5V dc ±5%
Isolation Voltage	1500V ac rms
Environmental Conditions	
Operational Temperature	0° to 60°C (32° to 140°F)
Storage Temperature	–40° to 85°C (–40° to 185°F)
Relative Humidity	5 to 95% (without condensation)
Conductors	
Wire Size	14 gauge stranded maximum 3/64 inch insulation maximum
Category	2 ¹
Keying	Between 8 and 10 Between 12 and 14
Field Wiring Arm	Catalog Number 1771-WA
Wiring Arm Screw Torque	7-9 inch-pounds

¹ Refer to publication 1770-4.1, Programmable Controller Wiring and Grounding Guidelines.

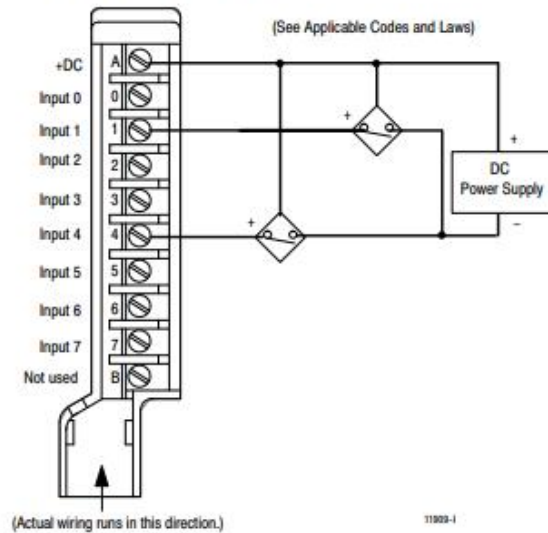


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Figure 2
Connection Diagram (3-Wire Devices)



Interpreting the Status Indicators

The front panel of your module contains 8 red status indicators (Figure 3). The red status indicators are provided for system logic side indication of individual inputs. When a red indicator lights, voltage is present on the terminal. The module transfers this information to the backplane for the processor to read.

Figure 3
Status Indicators

