

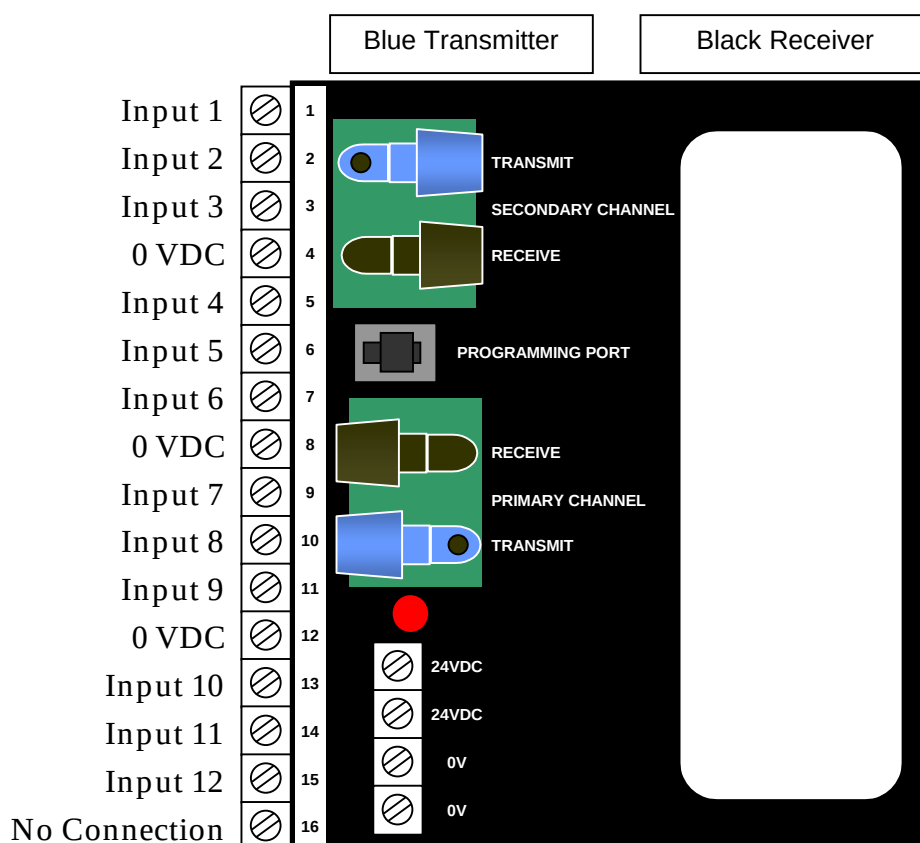
L5209 Digital Input Module

GENERAL DESCRIPTION

The L5202 *SSD LINK* Digital I/O Module is an intelligent device providing 12 digital input points for use with 24 VDC logic.

Each input presents an input impedance of approximately 3.5 k Ω to ground. The L5209 can measure frequency and count events on terminal Input 1. Refer to *SSD LINK* Application Note HR351009 for notes on using the frequency input.

The L5209 *LINK* Digital Input Module may be configured to perform a wide variety of control processing functions (including relay logic replacement, timing, counting, complex sequencing, etc). Information from the module is available to other modules in the *SSD LINK* system.



NOTE

This module has the new insert and twist fiber optic terminals that do not require any connectors. Cut off the end of the fiber using termination kit LA385204, insert into the terminal, twist and tighten.

WARNING

If retrofitting an old LINK 1 module: The primary channel terminals now face downward and the secondary channel terminals face upward. This orientation is opposite to that of the old red and black T&B terminals.



L5209 Digital Input Module

TECHNICAL SPECIFICATIONS

Environmental		
Temperature	0 – 50 °C	
Humidity	90% non-condensing	
Power Supply		
Voltage	20 – 28 VDC (24 V nominal)	
Current	150 mA max	
Inputs		
Low input	4.5 V max	
High input	16.5 V min	Note 3
Type	Resistive pull-down to ground	Note 2
Scan time	1 ms	Note 4
Frequency Counter Input		
Input Frequency	65 kHz max.	
Low voltage	1.7 V max (0 V nominal)	
High voltage	3.0 V min (5 V nominal)	Note 5
Duty Cycle	50% nominal	
Fiber optics		
Transmit length	Maximum 20 meters (66 feet)	
Intensity Range	-13 dBm to -27 dBm	

Note 1Not applicable.

Note 2Input impedance approximately 3.5 k Ω .

Note 3The absolute maximum voltage that may be applied to any terminal is 28 V.

Note 4Effective scan time is constrained by software execution time.

Note 5High voltage for frequency input may rise to 28 V without damaging hardware.