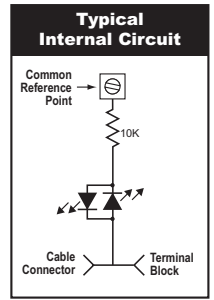
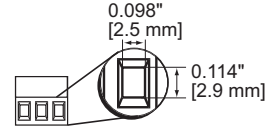
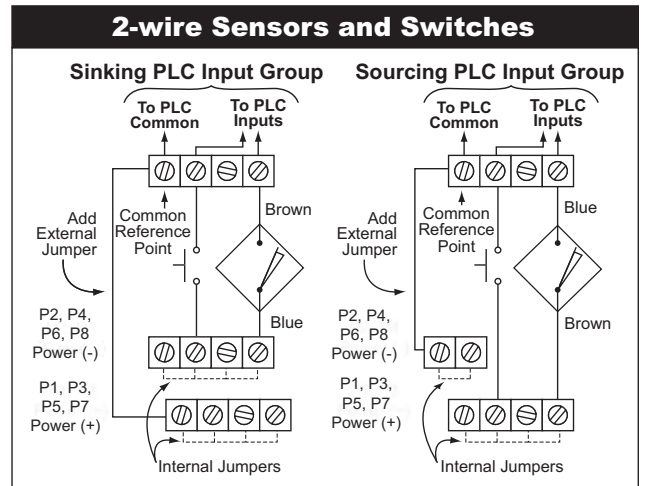
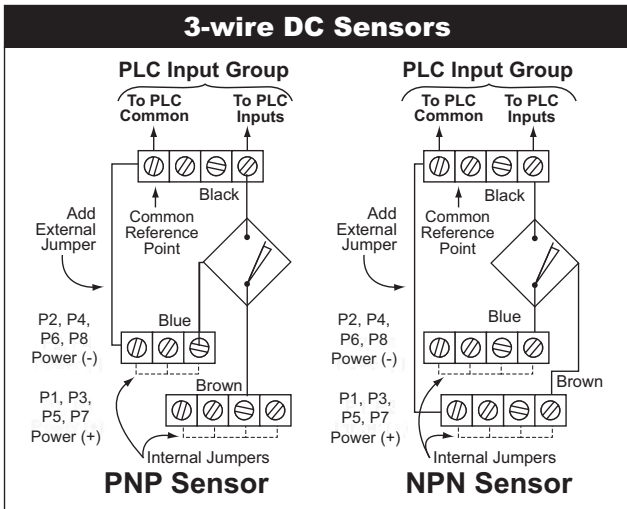
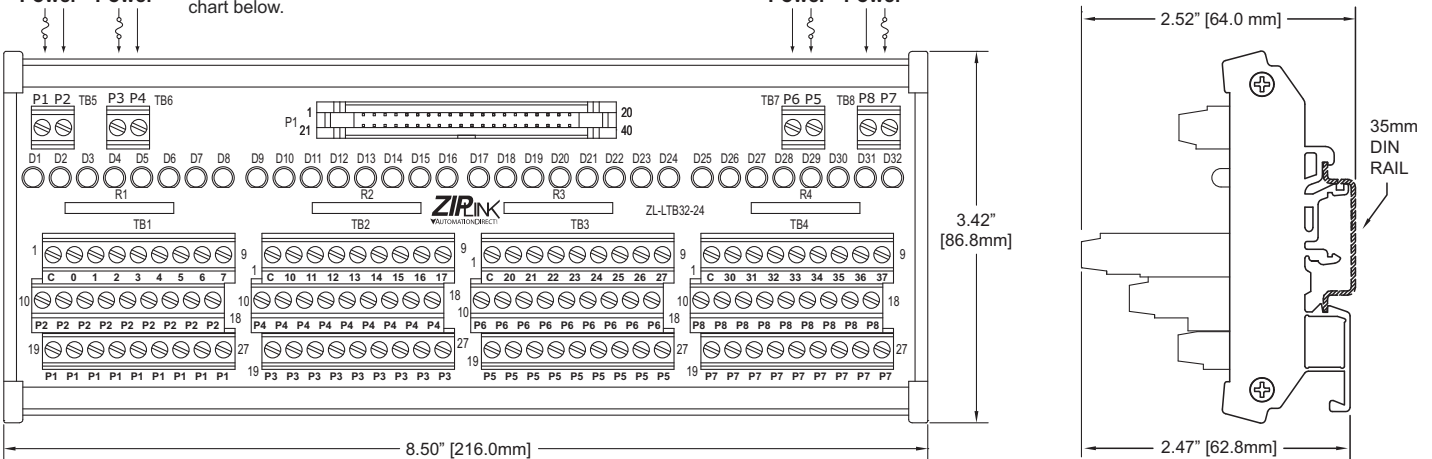


Terminal Block Insertion Point Opening Dimension



WARNING: We recommend installing up to a 4 Amp fast-blow fuse such as AGC4 or similar in series with the power supply as an extra safety measure.

Power* Power* *For power requirements, see the Voltage Range listed in the PLC I/O chart below.



Programmable Controller Comparison Table			
Family	I/O Module	Voltage Range	Input Current Per Point (mA)
DL205/405 32-point Modules	D2-32ND3	20-28VDC	8mA @ 24VDC
	D2-32ND3-2	4.5-15.6VDC	4mA @ 5VDC 11mA @ 12VDC 14mA @ 15VDC
	D4-32ND3-1	20-28VDC	5mA @ 24VDC
	D4-32ND3-2	4.75-13.2VDC	2.5mA @ 5VDC 7.5mA @ 12VDC
DL405* 64-point Module	D4-64ND2 (Connector CN1 & CN2)	20-28VDC	5mA @ 24VDC
P3000 32-point 64-point Module*	P3-32ND3	24VDC	5mA @ 24VDC
	P3-64ND3 (Connector A & B)		2.7mA @ 24VDC

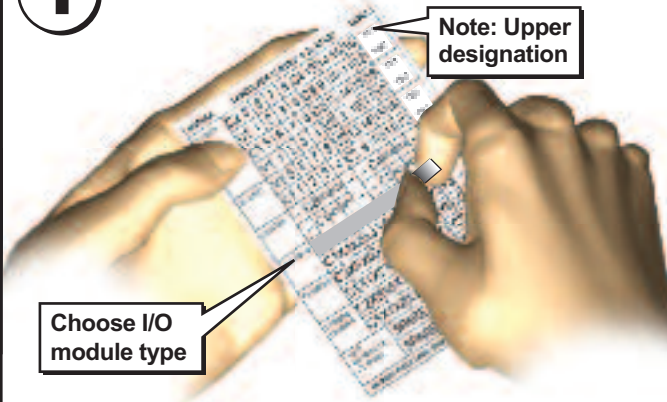
Connector Pin and Terminal Assignments							
Group 1		Group 2		Group 3		Group 4	
Connector Pin	TB1	Connector Pin	TB2	Connector Pin	TB3	Connector Pin	TB4
5, 25	1	10, 30	1	15, 35	1	20, 40	1
21	2	26	2	31	2	36	2
22	3	27	3	32	3	37	3
23	4	28	4	33	4	38	4
24	5	29	5	34	5	39	5
1	6	6	6	11	6	16	6
2	7	7	7	12	7	17	7
3	8	8	8	13	8	18	8
4	9	9	9	14	9	19	9
TB5	TB1	TB6	TB2	TB7	TB3	TB8	TB4
1(A2)	10 thru 18	1(B2)	10 thru 18	1(C1)	19 thru 27	1(D1)	19 thru 27
2(A1)	19 thru 27	2(B1)	19 thru 27	2(C2)	10 thru 18	2(D2)	2(C2)

*All 64-point modules require 2 ZIPLink Modules and 2 ZIPLink Cables.
 Note: P3000 refers to the Productivity3000 line of Programmable Automation Controllers.

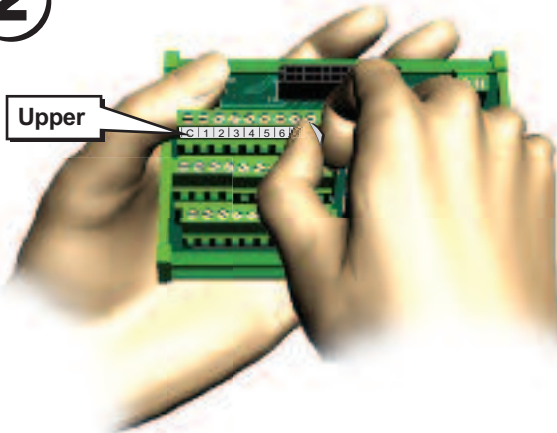
Apply ZIPLink Labels

(Supplied with module)

1 Find correct label and remove from sheet

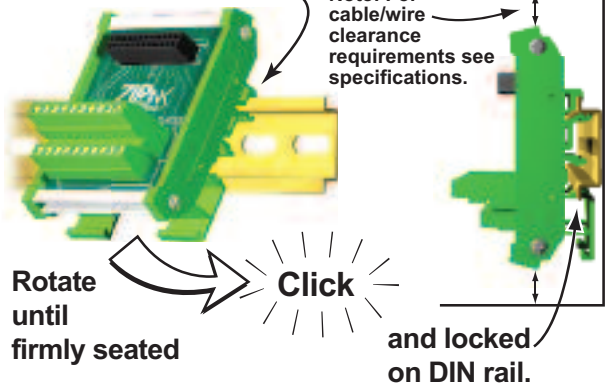


2 Apply label to designated position



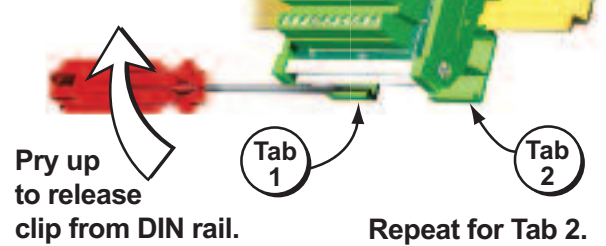
DIN Rail Installation and Removal

To install ZIPLink module, insert upper tab into DIN rail.



Rotate until firmly seated

To remove ZIPLink module, insert screwdriver between Tab 1 and module.



WARNING: To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.

If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call Technical Support at 770-844-4200.

This publication is based on information that was available at the time it was printed. At AutomationDirect.com® we constantly strive to improve our products and services, so we reserve the right to make changes to the products and/or publications at any time without notice and without any obligation. This publication may also discuss features that may not be available in certain revisions of the product.

Specifications

Description*	32-point, 24 volt Sensor Input Module with LEDs
Maximum Voltage	50VAC/VDC (-10%/+20%)
UL Voltage Rating**	0-30VAC/VDC (-10%/+20%)
Nominal Current per Input	I/O module max. input current per point plus 2mA for LED indicator
Maximum Current per Input	500mA
Maximum Current per Power Group P1, P2, P3, P4, P5, P6, P7 or P8	4A
Surrounding Temperature Range	32 to 140°F (0 to 60°C)
Approvals	File # E200031 UL, cUL, Class 1, Division 2, Groups A,B,C,D Hazardous Locations, CE, EN 61131-2:2007
LED Indicator Circuit	2mA @ 24VDC per LED
Terminal Block Contacts	Copper alloy, tin-lead plated
Wire Range (Rated Cross Section)**	12-24AWG Solid or Stranded Copper Conductor (2.5mm ²)
Wire Strip Length	0.24-0.27" (6-7mm)
Screw Torque	4.4 in-lbs (0.5 Nm)
Connector Type	3M 34000 Series IDC Connector, strain relief is required to latch to header. Example: Socket 3417-7640, Strain relief 3448-3040
Dimensions (WxHxD)	8.50" x 3.42" x 2.47" (216mm x 86.8mm x 62.8mm)
Cable/Wire Clearance	0.5" (12.7mm) Required
Mounting Restrictions	None

*Connecting cables are for internal wiring only.

**Use Class 2 Power Supply. Use conductors rated 60°/75°C.

HAZARD WARNING

A. THIS EQUIPMENT IS SUITABLE FOR USE IN CLASS I, DIVISION 2/ZONE 2, GROUPS A, B, C AND D OR NON-HAZARDOUS LOCATIONS ONLY.

B. **WARNING – EXPLOSION HAZARD** – SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2/ZONE 2.

C. **WARNING – EXPLOSION HAZARD** – DO NOT CONNECT OR DISCONNECT CONNECTORS OR OPERATE SWITCHES WHILE CIRCUIT IS LIVE UNLESS THE AREA IS KNOWN TO BE NON-HAZARDOUS.

D. ALL MODULES USED WITH ACCESSORIES MUST USE R/C (ECBT2) MATING PLUG FOR ALL APPLICABLE MODELS. ALL MATING PLUGS SHALL HAVE SUITABLE RATINGS FOR DEVICE.

6/25/2009 Document # ZL-LTB32-24 Rev3