

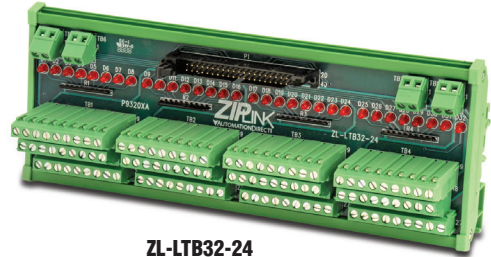


Sensor Input Modules

LED modules provide simple and logical termination for 3-wire sensors or other devices. These modules offer visual LED indication of device input status for quick troubleshooting. The LED/sensor modules are available in 16 and 32-point versions. Modules mount on 35mm DIN rail (part #DN-R35S1) or 15mm DIN rail (part #DN-R15S1).



ZL-LTB16-24



ZL-LTB32-24

| Specifications | | | | | | | | |
|--|--|---------|-----------|--------------|--|---------|-----------|--------------|
| Sensor Input Modules | Part # | Pcs/Pkg | Price/Pkg | Weight (lbs) | Part# | Pcs/Pkg | Price/Pkg | Weight (lbs) |
| | ZL-LTB16-24 | 1 | \$62.00 | 0.43 | ZL-LTB32-24 | 1 | \$116.50 | 0.83 |
| Description ³ | 16-point, 24 Volt Sensor Input Module with LEDs | | | | 32-point, 24 Volt Sensor Input Module with LEDs | | | |
| Maximum Voltage | 50 VAC/VDC (-10%/+20%) | | | | | | | |
| UL Voltage Rating ¹ | 0-30 VAC/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, or P4) | 4A | | | | | | | |
| Surrounding Temperature Range | 32 to 140°F (0 to 60°C) | | | | | | | |
| LED Indicator Circuit | 2mA @ 24VDC per LED | | | | | | | |
| Terminal Block Contacts | Copper alloy, tin-lead plated | | | | | | | |
| Wire Range (Rated Cross Section) ² | 12-24 AWG Solid or Stranded Copper Conductor (2.5 mm ²) | | | | | | | |
| Wire Strip Length | 0.24-0.27 in (6-7 mm) | | | | | | | |
| Screw Torque | 4.4 in-lbs (0.5 N-m) | | | | | | | |
| Connector Type | Molex Micro-Fit 3.0, 24 pin connector Example: Receptacle 43020-2400 Pins 43031 Series, Male | | | | 3M 34000 Series IDC Connector, strain relief is required to latch to header. Example: Socket 3417-7640, Strain relief 3448-3040 | | | |
| Connecting Cables (Sold Separately) | See Wiring Selection Guides at the beginning of this section. See Connection Cable specifications tables at the end of this section. | | | | See Wiring Selection Guides at the beginning of this section. See Connection Cable specifications tables at the end of this section. | | | |
| Cable/Wire Clearance | 0.5 in (12.7 mm) Required | | | | | | | |
| Mounting Restrictions | None | | | | | | | |
| Approvals | File # E200031 UL, cUL, Class 1, Division 2, Groups A,B,C,D Hazardous Locations, CE, EN 61131-2:2007 | | | | | | | |

¹ Use Class 2 power supply.

² Use conductors rated for 60°/75°C for relay outputs.

³ Connecting cables are for internal wiring only.

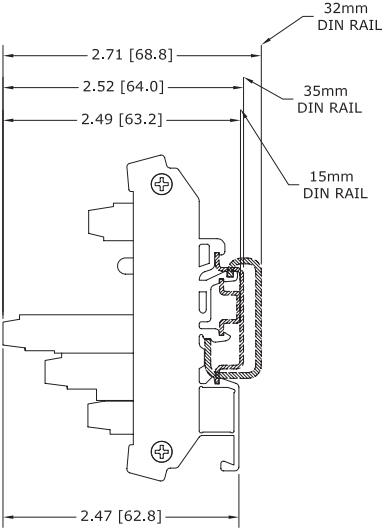
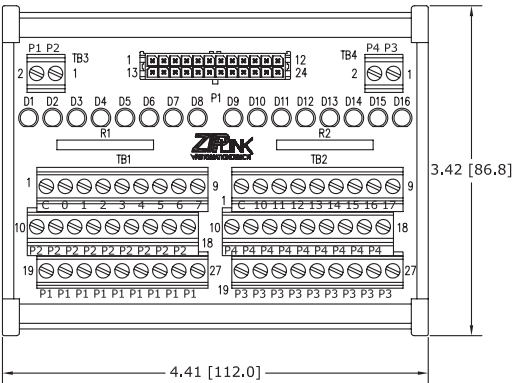


NOTE: SEE WIRING DETAILS AND DIMENSIONAL DRAWINGS ON OUR WEB SITE AT: <http://www.automationdirect.com/static/manuals/ziplinks/ziplinks.html>.

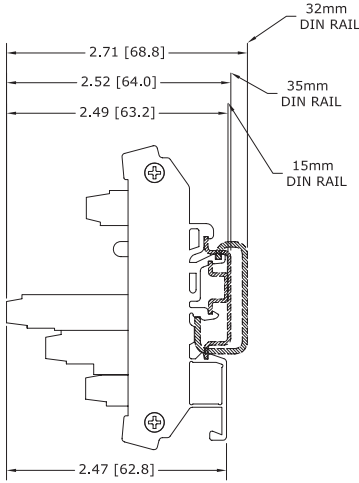
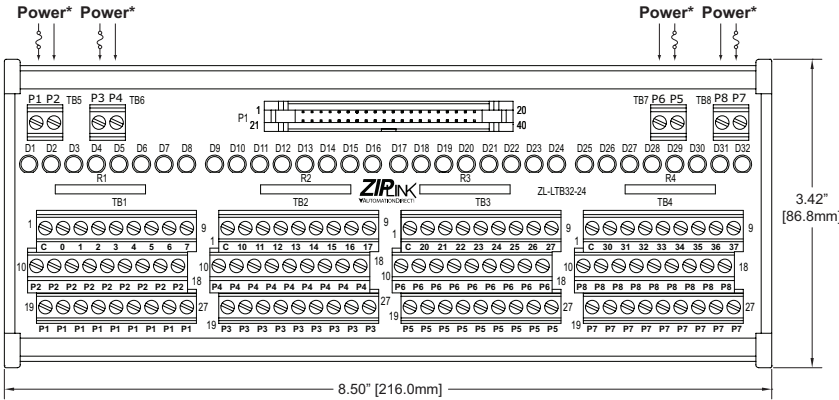


Module Dimensions

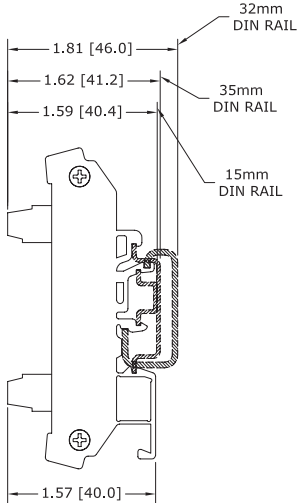
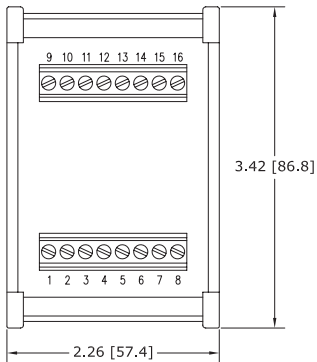
ZL-LTB16-24



ZL-LTB32-24



ZL-TSD8-24(120)



All terminal block insertion point opening dimensions are the same.

Note: Dimensions shown in Inches [mm]