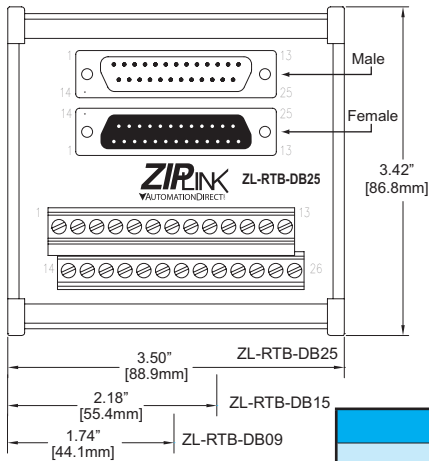


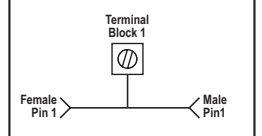
**NOTE:** Pinouts are straight-through, pin to pin to terminal. Example: J1, Pin 1 to J2, Pin 1 to J3, Terminal 1, etc.



### HAZARD WARNING

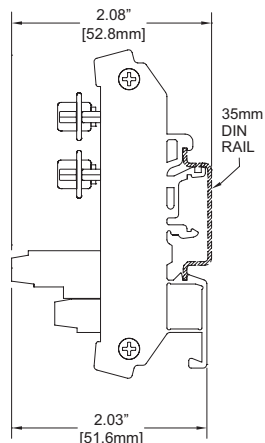
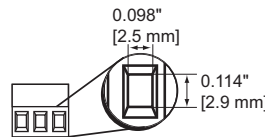
- A. THIS EQUIPMENT IS SUITABLE FOR USE IN CLASS I, DIVISION 2/ZONE 2, GROUPS A, B, C AND D OR NON-HAZARDOUS LOCATIONS ONLY.
- B. **WARNING – EXPLOSION HAZARD** – SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2/ZONE 2.
- C. **WARNING – EXPLOSION HAZARD** – DO NOT CONNECT OR 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.

### ZL-RTB-DBn Typical Internal Circuit



**NOTE:** A 2-meter cable is available for each D-sub module. See the Specifications Chart below.

Terminal Block Insertion Point Opening Dimension

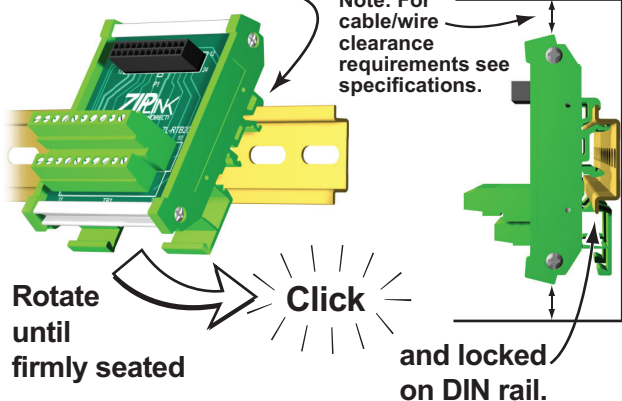


Specifications			
	ZL-RTB-DB09	ZL-RTB-DB15	ZL-RTB-DB25
<b>Description*</b>	9-pin male and female D-sub to terminal blocks	15-pin male and female D-sub to terminal blocks	25-pin male and female D-sub to terminal blocks
<b>Approvals</b>	File # E200031 UL, cUL, Class 1, Division 2, Groups A,B,C,D Hazardous Locations, CE, EN 61131-2:2007		
<b>UL Voltage Rating**</b>	30VDC		
<b>Maximum Current per Circuit</b>	1A		
<b>Number of Circuits</b>	9	15	25
<b>Wire Range (Rated Cross Section)**</b>	12-24AWG Solid or Stranded Copper Conductor (2.5mm <sup>2</sup> )		
<b>Wire Strip Length</b>	0.24-0.27" (6-7mm)		
<b>Screw Torque</b>	4.4 in-lbs (0.5 Nm)		
<b>Surrounding Temperature Range</b>	32 to 140°F (0 to 60°C)		
<b>Terminal Block Contacts</b>	Copper alloy, tin-lead plated		
<b>Dimensions (WxHxD)</b>	1.74" x 3.42" x 2.03" (44.1mm x 86.8mm x 51.6mm)	2.18" x 3.42" x 2.03" (55.4mm x 86.8mm x 51.6mm)	3.50" x 3.42" x 2.03" (88.9mm x 86.8mm x 51.6mm)
<b>Cable/Wire Clearances</b>	0.5" (12.7mm)		
<b>Mounting Restrictions</b>	None		
<b>Cables (sold separately)</b>	ZL-DB9-CBL-2	ZL-DB15-CBL-2	ZL-DB25-CBL-2

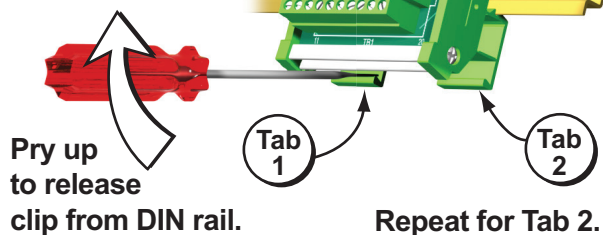
\*Connecting cables are for internal wiring only. \*\*Use Class 2 Power Supply. Use conductors rated 60°/75°C.

### DIN Rail Installation and Removal

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



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

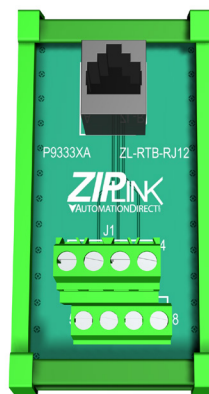


**WARNING:** To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to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

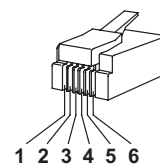
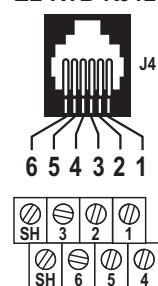
Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation,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

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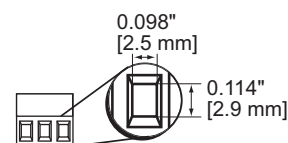
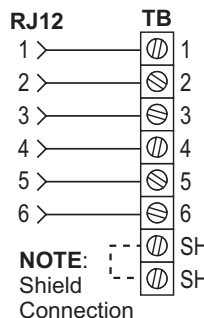


ZL-RTB-RJ12



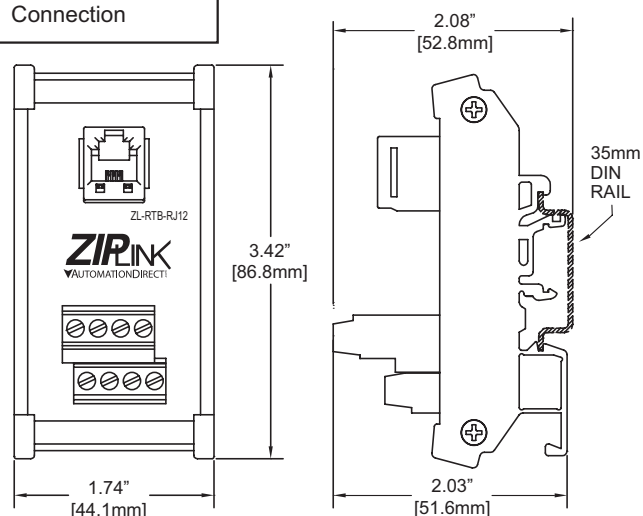
**RJ12 Plug  
Pin Layout  
(For Reference Only)**

### ZL-RTB-RJ12 Internal Circuit



**Terminal Block Insertion  
Point Opening Dimension**

**NOTE:** A 2-meter cable is available for use with the ZL-RTB-RJ12. See the Specifications Chart below.



### Specifications

Description*	RJ12 Connector module to terminal block
Approvals	File # E200031 UL, cUL, Class 1, Division 2, Groups A,B,C,D Hazardous Locations, CE, EN 61131-2:2007
UL Voltage Rating**	30VDC
Maximum Current per Circuit	1A
Number of Circuits	6
Terminal Block Contacts	Copper alloy, tin-lead plated
Wire Range (Rated Cross Section)**	12-24AWG Solid or Stranded Copper Conductor (2.5mm <sup>2</sup> )
Wire Strip Length	0.24-0.27" (6-7mm)
Screw Torque	4.4 in-lbs (0.5 Nm)
Surrounding Temperature Range	32 to 140°F (0 to 60°C)
Dimensions (WxHxD)	1.74" x 3.42" x 2.03" (44.1mm x 86.8mm x 51.6mm)
Cable/Wire Clearance	0.5" (12.7mm) Required
Mounting Restrictions	None
Cable (Sold Separately)	ZL-RJ12-CBL-2, Standard-reverse 26AWG cable, RJ12 connectors, 2m (6.6ft.)

\*Connecting cables are for internal wiring only.

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

11/20/2024 Document # ZL-RTB-DB09\_ZL-RTB-DB15\_ZL-RTB-DB25  
ZL-RTB-RJ12\_Rev3