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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**Output Specifications**

**Output Type** | Sinking
---|---
**Total Outputs per Module** | 32
**Commons** | 4 (8 points/common) Isolated
**Maximum Current per Common** | 4 A
**Nominal Voltage Range** | 12 - 24 VDC
**Operating Voltage Range** | 5 - 36 VDC
**Maximum Voltage** | 36 VDC
**Minimum Output Current** | 0.1 mA @ 24 VDC
**Maximum Load Current** | 0.5 A per output
**Nominal Voltage Rating (Bias)** | 12-24 VDC
**Maximum Current per Common (Bias)** | 23 mA
**Maximum Inrush Current** | 10 A
**ON Voltage Drop** | 0.14 VDC Max
**Status Indicators** | Logic Side, Green (16 LEDs for half of outputs per A/B switch)
**OFF to ON Response** | < 5 ms
**ON to OFF Response** | < 2 ms
**Maximum Switching Frequency** | 143 Hz
**Overcurrent, Short Circuit Protection and Short to Ground** | N/A
**Overcurrent Trip Level** | N/A
**Fuse Type** | User-supplied external fuse

**Output Module 32-pt. 12-24 VDC, Sinking**

**ZIPLink Cable Required.** (See Connector Options table).

**Output Module Specifications**

**Output Type** | Sinking
---|---
**Total Outputs per Module** | 32
**Commons** | 4 (8 points/common) Isolated
**Maximum Current per Common** | 4 A
**Nominal Voltage Range** | 12 - 24 VDC
**Operating Voltage Range** | 5 - 36 VDC
**Maximum Voltage** | 36 VDC
**Minimum Output Current** | 0.1 mA @ 24 VDC
**Maximum Load Current** | 0.5 A per output
**Nominal Voltage Rating (Bias)** | 12-24 VDC
**Maximum Current per Common (Bias)** | 23 mA
**Maximum Inrush Current** | 5 A for 50 ms
**Maximum Leakage Current** | 10 µA
**ON Voltage Drop** | 0.14 VDC Max
**Status Indicators** | Logic Side, Green (16 LEDs for half of outputs per A/B switch)
**OFF to ON Response** | < 5 ms
**ON to OFF Response** | < 2 ms
**Maximum Switching Frequency** | 143 Hz
**Overcurrent, Short Circuit Protection and Short to Ground** | N/A
**Overcurrent Trip Level** | N/A
**Fuse Type** | User-supplied external fuse

**ZIPLink Cable Required.** (See Connector Options table).

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**ZIPLink Cable Required.** (See Connector Options table).
### Module Installation

1. **To Install, remove Connector Cover**
   - To remove, depress disengagement plungers at top and bottom of module.
   - Align expansion connectors, insert, and listen for “Click” as the lock engages.

2. **To Install**
   - Remove Connector Cover.
   - Depress disengagement plungers at top and bottom of module.
   - Align expansion connectors, insert, and listen for “Click” as the lock engages.

### Connector Options — 32 point

<table>
<thead>
<tr>
<th>Connector Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZL-D24-CBL40</td>
<td>ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 180-degree connector angle, 1.68/0.5m cable length.</td>
</tr>
<tr>
<td>ZL-D24-CBL40-1</td>
<td>ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 180-degree connector angle, 3.28/1m cable length.</td>
</tr>
<tr>
<td>ZL-D24-CBL40-2</td>
<td>ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 180-degree connector angle, 6.5/2m cable length.</td>
</tr>
<tr>
<td>ZL-D24-CBL40-1P</td>
<td>ZipLink PLC I/O cable, 40-pin connector to pigtail, 180-degree connector angle, 3.28/1m cable length.</td>
</tr>
<tr>
<td>ZL-D24-CBL40-2P</td>
<td>ZipLink PLC I/O cable, 40-pin connector to pigtail, 180-degree connector angle, 6.5/2m cable length.</td>
</tr>
<tr>
<td>ZL-D24-CBL40-X</td>
<td>ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 45-degree connector angle, 1.68/0.5m cable length.</td>
</tr>
<tr>
<td>ZL-D24-CBL40-1X</td>
<td>ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 45-degree connector angle, 3.28/1m cable length.</td>
</tr>
<tr>
<td>ZL-D24-CBL40-2X</td>
<td>ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 45-degree connector angle, 6.5/2m cable length.</td>
</tr>
<tr>
<td>ZL-D24-CBL40-1XP</td>
<td>ZipLink PLC I/O cable, 40-pin connector to pigtail, 45-degree connector angle, 3.28/1m cable length.</td>
</tr>
<tr>
<td>ZL-D24-CBL40-2XP</td>
<td>ZipLink PLC I/O cable, 40-pin connector to pigtail, 45-degree connector angle, 6.5/2m cable length.</td>
</tr>
<tr>
<td>ZL-RTB40</td>
<td>ZipLink Two Level Feedthrough Module, 40-pole, 35mm, DIN mount.</td>
</tr>
<tr>
<td>ZL-RTB40-1</td>
<td>ZipLink Three Level Feedthrough Module, 40-pole, 35mm, DIN mount.</td>
</tr>
</tbody>
</table>

### Dimensional Information

Note: Drawings are for reference only. Shown without terminal blocks.

- **3.25” [82.5mm]**
- **4.57” [116.2mm]**
- **4.24” [107.4mm]**
- **1.08” [27.5mm]**
- **1.00” [25.4mm]**
- **2X Ø #8 Thru all**

---

**Connector Options ― 32 point**

- **ZL-D24-CBL40**
  - ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 180-degree connector angle, 1.68/0.5m cable length.
- **ZL-D24-CBL40-1**
  - ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 180-degree connector angle, 3.28/1m cable length.
- **ZL-D24-CBL40-2**
  - ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 180-degree connector angle, 6.5/2m cable length.
- **ZL-D24-CBL40-1P**
  - ZipLink PLC I/O cable, 40-pin connector to pigtail, 180-degree connector angle, 3.28/1m cable length.
- **ZL-D24-CBL40-2P**
  - ZipLink PLC I/O cable, 40-pin connector to pigtail, 180-degree connector angle, 6.5/2m cable length.
- **ZL-D24-CBL40-X**
  - ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 45-degree connector angle, 1.68/0.5m cable length.
- **ZL-D24-CBL40-1X**
  - ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 45-degree connector angle, 3.28/1m cable length.
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  - ZipLink PLC I/O cable, 40-pin connector to 40-pin connector, 45-degree connector angle, 6.5/2m cable length.
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  - ZipLink PLC I/O cable, 40-pin connector to pigtail, 45-degree connector angle, 3.28/1m cable length.
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  - ZipLink PLC I/O cable, 40-pin connector to pigtail, 45-degree connector angle, 6.5/2m cable length.
- **ZL-RTB40**
  - ZipLink Two Level Feedthrough Module, 40-pole, 35mm, DIN mount.
- **ZL-RTB40-1**
  - ZipLink Three Level Feedthrough Module, 40-pole, 35mm, DIN mount.