

# DC Output Modules

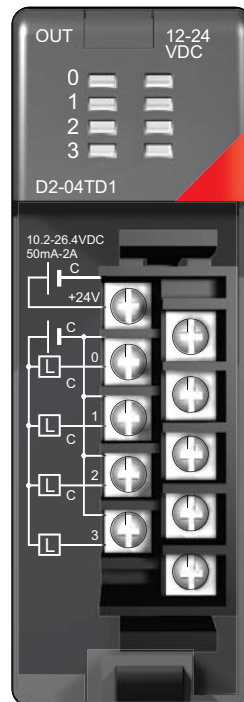
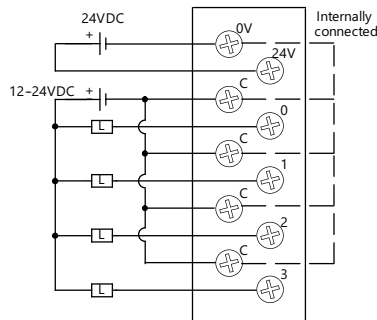
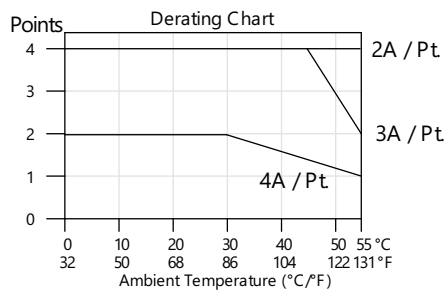
## D2-04TD1 DC Output \$103.00

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| <b>Outputs per Module</b>           | 4 (current sinking)               |
| <b>Output Points Consumed</b>       | 8 points (only first 4 pts. used) |
| <b>Commons per Module</b>           | 1 (4 I/O terminal points)         |
| <b>Output Type</b>                  | NMOS FET (open drain)             |
| <b>Operating Voltage</b>            | 10.2-26.4 VDC                     |
| <b>Peak Voltage</b>                 | 40VDC                             |
| <b>ON Voltage Drop</b>              | 0.72 VDC maximum                  |
| <b>AC Frequency</b>                 | N/A                               |
| <b>Max Load Current (resistive)</b> | 4A/point<br>8A/common             |
| <b>Max Leakage Current</b>          | 0.1 mA @ 40VDC                    |
| <b>Max Inrush Current</b>           | 6A for 100ms, 15A for 10ms        |
| <b>Minimum Load Current</b>         | 50mA                              |

|                                 |                                                       |
|---------------------------------|-------------------------------------------------------|
| <b>External DC Required</b>     | 24VDC @ 20mA max.                                     |
| <b>Base Power Required 5VDC</b> | 60mA                                                  |
| <b>OFF to ON Response</b>       | 1ms                                                   |
| <b>ON to OFF Response</b>       | 1ms                                                   |
| <b>Terminal Type (included)</b> | Removable; <a href="#">D2-8IOCON</a>                  |
| <b>Status Indicator</b>         | Logic side                                            |
| <b>Weight</b>                   | 2.8 oz. (80g)                                         |
| <b>Fuses</b>                    | 4 (1 per point)<br>(6.3 A slow blow, non-replaceable) |



See Wiring Solutions for part numbers of **ZIPLink** cables and connection modules compatible with this I/O module.



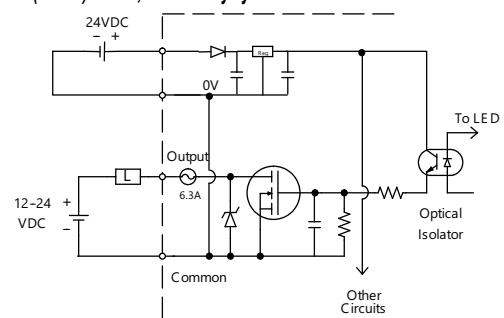
**Inductive Load**  
Maximum Number of Switching Cycles per Minute

| Load Current | Duration of output in ON state<br>7ms | 40ms | 100ms |
|--------------|---------------------------------------|------|-------|
| 0.1A         | 8000                                  | 1400 | 600   |
| 0.5A         | 1600                                  | 300  | 120   |
| 1.0A         | 800                                   | 140  | 60    |
| 1.5A         | 540                                   | 90   | 35    |
| 2.0A         | 400                                   | 70   | -     |
| 3.0A         | 270                                   | -    | -     |
| 4.0A         | 200                                   | -    | -     |

At 40ms duration, loads of 3.0 A or greater cannot be used.

At 100ms duration, loads of 2.0 A or greater cannot be used.

Find the load current you expect to use and the duration that the output is ON. The number at the intersection of the row and column represents the switching cycles per minute. For example, a 1A inductive load that is on for 100ms can be switched on and off a maximum of 60 times per minute. To convert this to duty cycle percentage use: (duration x cycles)/60. In this example, (60 x .1)/60 = .1, or 10% duty cycle.





# Wiring Solutions

## Wiring Solutions using the ZIPLink Wiring System

ZIPLinks eliminate the normally tedious process of wiring between devices by utilizing prewired cables and DIN rail mount connector modules. It's as simple as plugging in a cable connector at either end or terminating wires at only one end. Prewired cables keep

installation clean and efficient, using half the space at a fraction of the cost of standard terminal blocks. There are several wiring

solutions available when using the ZIPLink System ranging from PLC I/O-to-ZIPLink Connector Modules that are ready for field

termination, options for connecting to third party devices, GS, DuraPulse and SureServo Drives, as well as special relay, transorb and communications modules. Pre-printed I/O-specific adhesive label strips for quick marking of ZIPLink modules are provided with ZIPLink cables. See the following solutions to help determine the best ZIPLink system for your application.

### **Solution 1: Do-more, DirectLOGIC, CLICK and Productivity Series I/O Modules to ZIPLink Connector Modules**

When looking for quick and easy I/O-to-field termination, a ZIPLink connector module used in conjunction with a prewired ZIPLink cable, consisting of an I/O terminal block at one end and a multi-pin connector at the other end, is the best solution.

Using the PLC I/O Modules to ZIPLink Connector Modules selector tables located in this section,

1. Locate your I/O module/PLC
2. Select a ZIPLink Module
3. Select a corresponding ZIPLink Cable.



### **Solution 2: Do-more, DirectLOGIC, CLICK and Productivity Series I/O Modules to 3rd Party Devices**

When wanting to connect I/O to another device within proximity of the I/O modules, no extra terminal blocks are necessary when using the ZIPLink Pigtail Cables. ZIPLink Pigtail Cables are prewired to an I/O terminal block with color-coded pigtail with soldered-tip wires on the other end.

Using the I/O Modules to 3rd Party Devices selector tables located in this section,

1. Locate your PLC I/O module
2. Select a ZIPLink Pigtail Cable that is compatible with your 3rd party device.



### **Solution 3: GS Series and DuraPulse Drives Communication Cables**

Need to communicate via Modbus RTU to a drive or a network of drives?

ZIPLink cables are available in a wide range of configurations for connecting to PLCs and SureServo, SureStep, Stellar Soft Starter and AC drives. Add a ZIPLink communications module to quickly and easily set up a multi-device network.

Using the Drives Communication selector tables located in this section,

1. Locate your Drive and type of communications
2. Select a ZIPLink cable and other associated hardware.



# ZIP LINK™ Wiring Solutions

AUTOMATIONDIRECT®

## Solution 4: Serial Communications Cables

**ZIPLink** offers communications cables for use with **DirectLOGIC**, **CLICK**, and **Productivity CPUs**, that can also be used with other communications devices. Connections include a 6-pin RJ12 or 9-pin, 15-pin and 25-pin D-sub connectors which can be used in conjunction with the RJ12 or D-Sub feedthrough modules.

Using the Serial Communications Cables selector table located in this section,

1. Locate your connector type
2. Select a cable.



## Solution 5: Specialty ZIPLink Modules

For additional application solutions, **ZIPLink** modules are available in a variety of configurations including stand-alone relays, 24VDC and 120VAC transorb modules, D-sub, RJ12 and RJ45 feedthrough modules, communication port adapter and distribution modules, and SureServo 50-pin I/O interface connection.

Using the **ZIPLink** Specialty Modules selector table located in this section,

1. Locate the type of application
2. Select a **ZIPLink** module.



## Solution 6: ZIPLink Connector Modules to 3rd Party Devices

If you need a way to connect your device to terminal blocks without all that wiring time, then our pigtail cables with color-coded soldered-tip wires are a good solution. Used in conjunction with any compatible **ZIPLink** Connector Modules, a pigtail cable keeps wiring clean and easy and reduces troubleshooting time.

Using the Universal Connector Modules and Pigtail Cables table located in this section,

1. Select module type
2. Select the number of pins
3. Select cable.





# PLC I/O Modules to ZIPLink Connector Modules – Do-more!/DL205

| Do-more / DL205 PLC Input Module ZIPLink Selector |            |             |                 |                                                                      |
|---------------------------------------------------|------------|-------------|-----------------|----------------------------------------------------------------------|
| PLC                                               | ZIPLink    |             |                 |                                                                      |
| Input Module                                      | # of Terms | Component   | Module Part No. | Cable Part No. †                                                     |
| D2-08ND3                                          | 10         | Feedthrough | ZL-RTB20 (-1)   | ZL-D2-CBL10 *                                                        |
| D2-16ND3-2                                        | 19         | Feedthrough | ZL-LTB16-24-1   | ZL-D2-CBL19                                                          |
|                                                   |            | Sensor      |                 | ZL-D2-CBL19-1<br>ZL-D2-CBL19-2                                       |
| D2-32ND3 <sup>1</sup>                             | 40         | Feedthrough | ZL-RTB40 (-1)   | 180 deg conn:<br>ZL-D24-CBL40                                        |
|                                                   |            | Sensor      | ZL-LTB32-24-1   | ZL-D24-CBL40-1<br>ZL-D24-CBL40-2                                     |
| D2-32ND3-2 <sup>1</sup>                           | 40         | Feedthrough | ZL-RTB40(-1)    | 45 deg conn:<br>ZL-D24-CBL40-X<br>ZL-D24-CBL40-1X<br>ZL-D24-CBL40-2X |
|                                                   |            | Sensor      | ZL-LTB32-24-1   |                                                                      |
| D2-08NA-1                                         | 10         | Feedthrough | ZL-RTB20 (-1)   | ZL-D2-CBL10                                                          |
| D2-08NA-2                                         | 10         |             |                 | ZL-D2-CBL10-1<br>ZL-D2-CBL10-2                                       |
| D2-16NA                                           | 19         | Feedthrough |                 | ZL-D2-CBL19 *                                                        |

† X in the part number represents a 45° angle.

| Do-more/DL205 PLC Combo In/Out Module ZIPLink Selector |            |             |                 |                |
|--------------------------------------------------------|------------|-------------|-----------------|----------------|
| PLC                                                    | ZIPLink    |             |                 |                |
| Combo Module                                           | # of Terms | Component   | Module Part No. | Cable Part No. |
| D2-08CDR                                               | 10         | Feedthrough | ZL-RTB20 (-1)   | ZL-D2-CBL10 *  |

| Do-more/DL205 PLC Analog Module ZIPLink Selector |                               |                                                              |                               |                               |
|--------------------------------------------------|-------------------------------|--------------------------------------------------------------|-------------------------------|-------------------------------|
| PLC                                              | ZIPLink                       |                                                              |                               |                               |
| Analog Module                                    | # of Terms                    | Component                                                    | Module                        | Cable                         |
| <a href="#">F2-04AD-1</a>                        | 10                            | Feedthrough                                                  | <a href="#">ZL-RTB20</a> (-1) | <a href="#">ZL-D2-CBL10</a>   |
| <a href="#">F2-08AD-1</a>                        |                               |                                                              |                               | <a href="#">ZL-D2-CBL10-1</a> |
| <a href="#">F2-04AD-2</a>                        |                               |                                                              |                               | <a href="#">ZL-D2-CBL10-2</a> |
| <a href="#">F2-08AD-2</a>                        |                               |                                                              |                               |                               |
| <a href="#">F2-02DA-1</a>                        |                               |                                                              |                               |                               |
| <a href="#">F2-02DAS-1</a>                       |                               |                                                              |                               |                               |
| <a href="#">F2-08DA-1</a>                        |                               |                                                              |                               | <a href="#">ZL-D2-CBL19</a>   |
| <a href="#">F2-02DA-2</a>                        |                               |                                                              |                               | <a href="#">ZL-D2-CBL19-1</a> |
| <a href="#">F2-02DAS-2</a>                       |                               |                                                              |                               | <a href="#">ZL-D2-CBL19-2</a> |
| <a href="#">F2-08DA-2</a>                        |                               |                                                              |                               | <a href="#">ZL-D2-CBL10</a>   |
| <a href="#">F2-4AD2DA</a>                        |                               |                                                              |                               | <a href="#">ZL-D2-CBL10-1</a> |
| <a href="#">F2-8AD4DA-1</a>                      | <a href="#">ZL-D2-CBL10-2</a> |                                                              |                               |                               |
| <a href="#">F2-8AD4DA-2</a>                      | 19                            |                                                              |                               | <a href="#">ZL-D2-CBL19</a>   |
|                                                  |                               |                                                              |                               | <a href="#">ZL-D2-CBL19-1</a> |
|                                                  |                               |                                                              |                               | <a href="#">ZL-D2-CBL19-2</a> |
| <a href="#">F2-04RTD</a>                         | Matched Only                  | These modules are not supported by the ZIPLink wiring system |                               |                               |
| <a href="#">F2-04THM</a>                         |                               |                                                              |                               |                               |

| Do-more/ DL205 PLC Output Module ZIPLink Selector |            |             |                                                                       |                                                                                                                                           |
|---------------------------------------------------|------------|-------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| PLC                                               | ZIPLink    |             |                                                                       |                                                                                                                                           |
| Output Module                                     | # of Terms | Component   | Module Part No.                                                       | Cable Part No. †                                                                                                                          |
| D2-04TD1 <sup>2</sup>                             | 10         | Feedthrough | ZL-RTB20 (-1)                                                         | ZL-D2-CBL10<br>ZL-D2-CBL10-1<br>ZL-D2-CBL10-2                                                                                             |
| D2-08TD1                                          |            |             |                                                                       |                                                                                                                                           |
| D2-08TD2                                          |            |             |                                                                       |                                                                                                                                           |
| D2-16TD1-2                                        | 19         | Feedthrough | ZL-RFU20 <sup>4</sup>                                                 | ZL-D2-CBL19<br>ZL-D2-CBL19-1<br>ZL-D2-CBL19-2                                                                                             |
|                                                   |            | Fuse        |                                                                       |                                                                                                                                           |
| D2-16TD2-2                                        |            | Feedthrough | ZL-RTB20 (-1)                                                         |                                                                                                                                           |
|                                                   |            | Fuse        | ZL-RFU20 <sup>4</sup>                                                 |                                                                                                                                           |
|                                                   |            | Relay       | ZL-RRL16-24-2<br>ZL-RRL16W-24-2<br>ZL-RRL16F-24-2<br>ZL-RRL16HDF-24-2 |                                                                                                                                           |
|                                                   |            |             |                                                                       |                                                                                                                                           |
| F2-16TD1P                                         |            | Feedthrough | ZL-RTB20 (-1)                                                         |                                                                                                                                           |
| F2-16TD2P                                         |            |             |                                                                       |                                                                                                                                           |
| D2-32TD1 <sup>1</sup>                             | 40         | Feedthrough | ZL-RTB40 (-1)                                                         | 180 deg conn:<br>ZL-D24-CBL40<br>ZL-D24-CBL40-1<br>ZL-D24-CBL40-2<br>45 deg conn:<br>ZL-D24-CBL40-X<br>ZL-D24-CBL40-1X<br>ZL-D24-CBL40-2X |
|                                                   |            | Fuse        | ZL-RFU40 <sup>4</sup>                                                 |                                                                                                                                           |
| D2-32TD2 <sup>1</sup>                             |            | Feedthrough | ZL-RTB40 (-1)                                                         |                                                                                                                                           |
|                                                   |            | Fuse        | ZL-RFU40 <sup>4</sup>                                                 |                                                                                                                                           |
| D2-08TA                                           | 10         | Feedthrough | ZL-RTB20 (-1)                                                         | ZL-D2-CBL10<br>ZL-D2-CBL10-1<br>ZL-D2-CBL10-2                                                                                             |
| F2-08TA                                           |            |             |                                                                       |                                                                                                                                           |
| D2-12TA                                           | 19         | Feedthrough | ZL-RFU20 <sup>4</sup>                                                 | ZL-D2-CBL19<br>ZL-D2-CBL19-1<br>ZL-D2-CBL19-2                                                                                             |
|                                                   |            | Fuse        |                                                                       |                                                                                                                                           |
| D2-04TRS <sup>2</sup>                             | 10         | Feedthrough | ZL-RTB20 (-1)                                                         | ZL-D2-CBL10<br>ZL-D2-CBL10-1<br>ZL-D2-CBL10-2                                                                                             |
| D2-08TR                                           |            |             |                                                                       |                                                                                                                                           |
| F2-08TRS <sup>2</sup>                             | 19         | Feedthrough | ZL-RTB20 (-1)                                                         | ZL-D2-CBL19 *                                                                                                                             |
| F2-08TR <sup>3</sup>                              | 10         |             |                                                                       | ZL-D2-CBL10 *                                                                                                                             |
| D2-12TR                                           | 19         | Feedthrough | ZL-RFU20 <sup>4</sup>                                                 | ZL-D2-CBL19<br>ZL-D2-CBL19-1<br>ZL-D2-CBL19-2                                                                                             |
|                                                   |            | Fuse        |                                                                       |                                                                                                                                           |

† X in the part number represents a 45° angle plug

\* Select the cable length by replacing the \* with: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.

<sup>1</sup> To make a custom cable for the 32-point modules, use: Solder-style 180° connector ZL-D24-CON or Solder-style 45° connector ZL-D24-CON-X

<sup>2</sup> Caution: The D2-04TD1, D2-04TRS, and F2-08TRS outputs are derated not to exceed module specs 2A per point and 2A per common when used with the ZIPLink wiring system.

<sup>3</sup> The F2-08TR outputs are derated not to exceed 2A per point and 4A per common when used with the ZIPLink wiring system.

<sup>4</sup> Fuses (5 x 20 mm) are not included. See Edison Electronic Fuse section for (5 x 20 mm) fuse. S500 and GMA electronic circuit protection for fast-acting maximum protection. S506 and GMC electronic circuit protection for time-delay performance. Ideal for inductive circuits.

To ensure proper operation, do not exceed the voltage and current rating of ZIPLink module. ZL-RFU20 = 2A per circuit; ZL-RFU40 = 400mA per circuit.



**Note:** ZIPLink Connector Module specifications follow the Compatibility Matrix tables. ZIPLink Cables specifications are at the end of this ZIPLink section.



# Power Requirements

## These charts help determine your power requirements

This section shows the amount of power supplied by each of the base power supplies and the amount of power consumed by each DL205 device. The Power Consumed charts list how much INTERNAL power from each power source is required for the DL205 devices. Use this information when calculating the power budget for your system.

In addition to the internal power sources, the DL205 bases offer a 24 VDC auxiliary power supply with external power connections. This auxiliary power supply can power external devices.

## Use ZIPLinks to reduce power requirements

If your application requires a lot of relay outputs, consider using the ZIPLink AC or DC relay output modules. These modules can switch high current (10A) loads without putting a load on your base power budget. Refer to the Terminal Blocks and Wiring Solutions section in this catalog for more information.

This logo is placed next to the I/O modules that are supported by the ZIPLink connection systems. See the I/O module specifications at the end of this section.



| Power Consumed            |        |               |
|---------------------------|--------|---------------|
| Device                    | 5V(mA) | 24V Auxiliary |
| <b>Operator Interface</b> |        |               |
| C-more Micro-Graphic      | 210    | 0             |

| Power Supplied |          |        |               |
|----------------|----------|--------|---------------|
| Device         | Price    | 5V(mA) | 24V Auxiliary |
| <b>Bases</b>   |          |        |               |
| D2-03B-1       | \$200.00 | 2600   | 300           |
| D2-03BDC1-1    | \$249.00 | 2600   | None          |
| D2-04B-1       | \$217.00 | 2600   | 300           |
| D2-04BDC1-1    | \$274.00 | 2600   | None          |
| D2-06B-1       | \$268.00 | 2600   | 300           |

| Power Consumed                   |        |               |
|----------------------------------|--------|---------------|
| Device                           | 5V(mA) | 24V Auxiliary |
| <b>CPUs</b>                      |        |               |
| D2-262                           | 336    | 0             |
| <b>DC Input Modules</b>          |        |               |
| D2-08ND3                         | 50     | 0             |
| D2-16ND3-2                       | 100    | 0             |
| D2-32ND3                         | 25     | 0             |
| D2-32ND3-2                       | 25     | 0             |
| <b>AC Input Modules</b>          |        |               |
| D2-08NA-1                        | 50     | 0             |
| D2-08NA-2                        | 100    | 0             |
| D2-16NA                          | 100    | 0             |
| <b>Input Simulator Module</b>    |        |               |
| F2-08SIM                         | 50     | 0             |
| <b>DC Output Modules</b>         |        |               |
| D2-04TD1                         | 60     | 20            |
| D2-08TD1                         | 100    | 0             |
| D2-08TD2                         | 100    | 0             |
| D2-16TD1-2                       | 200    | 80            |
| D2-16TD2-2                       | 200    | 0             |
| F2-16TD1P                        | 70     | 50            |
| F2-16TD2P                        | 70     | 50            |
| D2-32TD1                         | 350    | 0             |
| D2-32TD2                         | 350    | 0             |
| <b>AC Output Modules</b>         |        |               |
| D2-08TA                          | 250    | 0             |
| F2-08TA                          | 250    | 0             |
| D2-12TA                          | 350    | 0             |
| <b>Relay Output Modules</b>      |        |               |
| D2-04TRS                         | 250    | 0             |
| D2-08TR                          | 250    | 0             |
| F2-08TR(S)                       | 670    | 0             |
| D2-12TR                          | 450    | 0             |
| <b>Combination In/Out Module</b> |        |               |
| D2-08CDR                         | 200    | 0             |

| Power Supplied |          |        |               |
|----------------|----------|--------|---------------|
| Device         | Price    | 5V(mA) | 24V Auxiliary |
| <b>Bases</b>   |          |        |               |
| D2-06BDC1-1    | \$304.00 | 2600   | None          |
| D2-06BDC2-1    | \$279.00 | 2600   | 300           |
| D2-09B-1       | \$333.00 | 2600   | 300           |
| D2-09BDC1-1    | \$360.00 | 2600   | None          |
| D2-09BDC2-1    | \$359.00 | 2600   | 300           |

| Power Consumed                                   |                |               |
|--------------------------------------------------|----------------|---------------|
| Device                                           | 5V(mA)         | 24V Auxiliary |
| <b>Analog Modules</b>                            |                |               |
| F2-04AD-1                                        | 100            | 5             |
| F2-04AD-2                                        | 110            | 5             |
| F2-08AD-1                                        | 100            | 5             |
| F2-08AD-2                                        | 100            | 5             |
| F2-02DA-1                                        | 40             | 60 (note 1)   |
| F2-02DA-2                                        | 40             | 60            |
| F2-02DAS-1                                       | 100            | 50 / channel  |
| F2-02DAS-2                                       | 100            | 60 / channel  |
| F2-08DA-1                                        | 30             | 50 (note 1)   |
| F2-08DA-2                                        | 60             | 140           |
| F2-4AD2DA                                        | 60             | 80 (note 1)   |
| F2-8AD4DA-1                                      | 35             | 100 (note 1)  |
| F2-8AD4DA-2                                      | 35             | 80 (note 1)   |
| F2-04RTD                                         | 90             | 0             |
| F2-04THM                                         | 110            | 60            |
| <b>Specialty Modules</b>                         |                |               |
| D2-CTRINT                                        | 50*            | 0             |
| D2-CM / D2-EM                                    | 100/130        | 0             |
| H2-CTRIO2                                        | 275            | 0             |
| D2-DCM                                           | 300            | 0             |
| H2-EBC100                                        | 300            | 0             |
| H2-ECOM100                                       | 300            | 0             |
| F2-CP128                                         | 235            | 0             |
| <b>Remote I/O</b>                                |                |               |
| H2-ERM100, (-F)                                  | 300, (-F: 450) | 0             |
| <b>Programming Devices</b>                       |                |               |
| D2-HPP                                           | 200            | 0             |
| * Requires external 5VDC for outputs             |                |               |
| Note 1: Add an additional 20 mA per output loop. |                |               |



# Dimensions and Installation

Understanding the installation requirements for your DL205 system will help ensure that the DL205 products operate within their environmental and electrical limits.

## Plan for safety

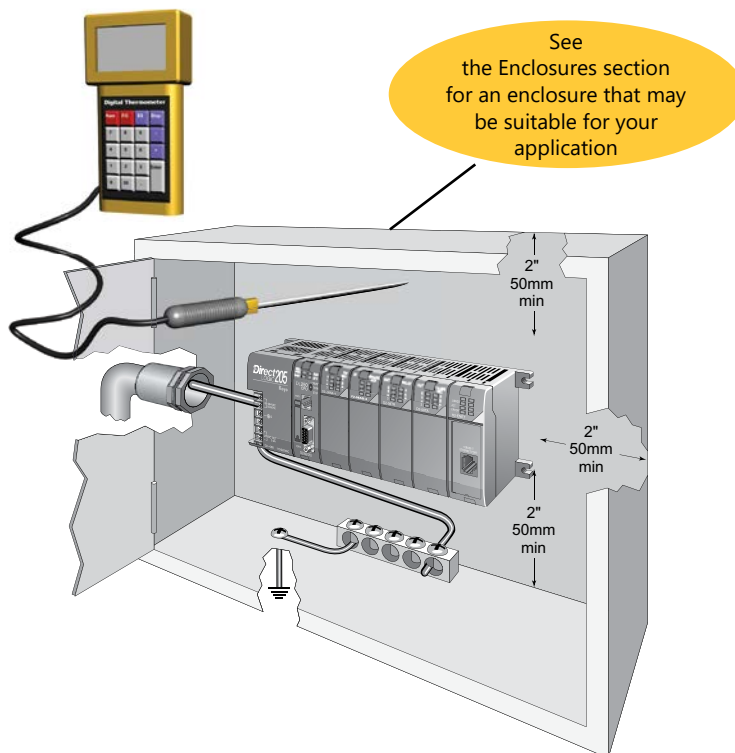
This catalog should never be used as a replacement for the user manual. The user manual, D2-USER-M (downloadable online), contains important safety information that must be followed. The system installation should comply with all appropriate electrical codes and standards.

## Environmental specifications

The Environmental Specifications table at the right lists specifications that apply globally to the DL205 system (CPUs, bases, and I/O modules). Be sure that the DL205 system is operated within these environmental specifications.

## Base dimensions and mounting

Use the diagrams below to make sure the DL205 system can be installed in your application. To ensure proper airflow for cooling purposes, DL205 bases must be mounted horizontally. It is important to check these dimensions against the conditions required for your application. For example, it is recommended that approximately 3" of space is left in front PLC surface for ease of access and cable clearances. Also, check the installation guidelines for recommended cabinet clearances.



| Environmental Specification          | Rating                                        |
|--------------------------------------|-----------------------------------------------|
| <b>Storage Temperature</b>           | -4°F to 158°F (-20°C to 70°C)                 |
| <b>Ambient Operating Temperature</b> | 32°F to 131°F (0°C to 55°C)                   |
| <b>Ambient Humidity</b>              | 30% to 95% relative humidity (non-condensing) |
| <b>Vibration Resistance</b>          | MIL STD 810C, Method 514.2                    |
| <b>Shock Resistance</b>              | MIL STD 810C, Method 516.2                    |
| <b>Noise Immunity</b>                | NEMA (IC33-304)                               |
| <b>Atmosphere</b>                    | No corrosive gases                            |

| Base                                      | A            | B            | C            | D            |
|-------------------------------------------|--------------|--------------|--------------|--------------|
| <b>D2-03B-1, D2-03BDC1-1</b>              | 6.77" 172mm  | 6.41" 163mm  | 5.8" 148mm   | 7.24" 184mm  |
| <b>D2-04B-1, D2-04BDC1-1</b>              | 7.99" 203mm  | 7.63" 194mm  | 7.04" 179mm  | 8.46" 215mm  |
| <b>D2-06B-1, D2-06BDC1-1, D2-06BDC2-1</b> | 10.43" 265mm | 10.07" 256mm | 9.48" 241mm  | 10.90" 277mm |
| <b>D2-09B-1, D2-09BDC1-1, D2-09BDC2-1</b> | 14.09" 358mm | 13.74" 349mm | 13.14" 334mm | 14.56" 370mm |

