

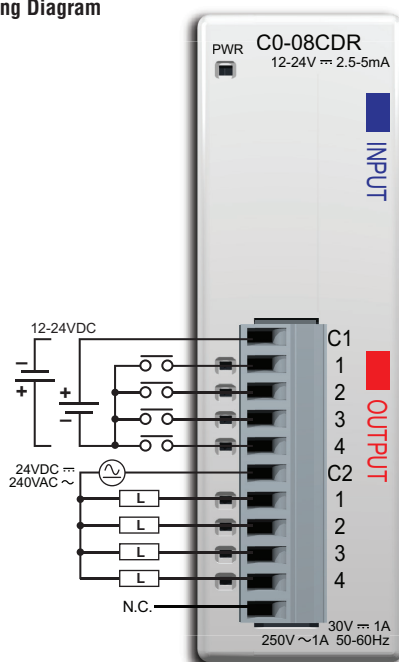
CLICK I/O Module Specifications

C0-08CDR \$49.00

4-Point DC Input and 4-Point Relay Output Module

4-point 12-24 VDC current sinking/sourcing input, 1 common, 4-point 6.25-24 VDC / 6-240 VAC relay output, Form A (SPST) relays 1A/pt., 1 common, non-fused, removable terminal block included. (replacement ADC p/n C0-8TB).

Wiring Diagram

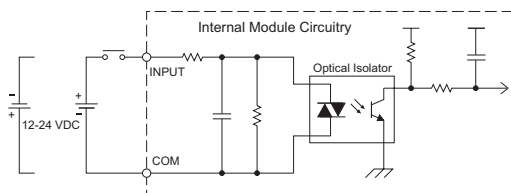


N.C. = Not Connected

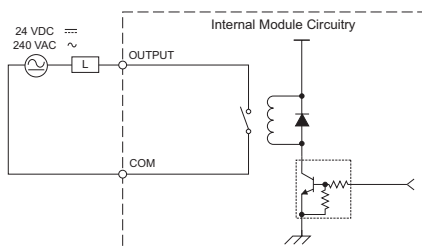


NOTE: When using this module you must also use CLICK programming software and CPU firmware version V1.40 or later.

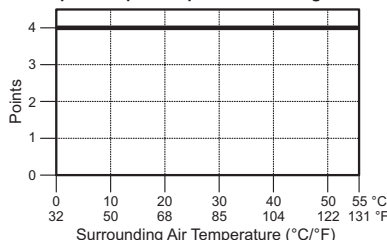
Equivalent Input Circuit



Equivalent Output Circuit



Input / Output Temperature Derating Chart



C0-08CDR Input Specifications

| | |
|--------------------------------|---|
| Inputs per Module | 4 (source/sink) |
| Operating Voltage Range | CE: 12-24 VDC (-10%/+10%) UL: 12-24 VDC (-10%/+10%) |
| Input Voltage Range | 10.8 - 26.4 VDC |
| Input Current | Typ 5.0 mA @ 24 VDC |
| Maximum Input Current | 7.0 mA @ 26.4 VDC |
| Input Impedance | 4.7 kΩ @ 24 VDC |
| ON Voltage Level | >8.0 VDC |
| OFF Voltage Level | <3.0 VDC |
| Minimum ON Current | 1.4 mA |
| Maximum OFF Current | 0.5 mA |
| OFF to ON Response | Max. 3.5 ms Typ. 2 ms |
| ON to OFF Response | Max. 4 ms Typ. 2.5 ms |
| Status Indicators | Logic Side (4 points, green LED) Power Indicator (green LED) |
| Commons | 1 (4 points/common) |

C0-08CDR Output Specifications

| | |
|--------------------------------|---|
| Outputs per Module | 4 (Relay) |
| Operating Voltage Range | CE: 6.25 - 24 VDC (-15%/+10%) / 6 - 240 VAC (-15%/+10%) UL: 24 VDC (-15%/+10%) / 240 VAC (-10%/+10%) |
| Peak Voltage | 30 VDC / 264 VAC |
| Output Type | Relay, Form A (SPST) |
| AC Frequency | 47-63 Hz |
| Maximum Current | 1 A/point, 4 A/common |
| Minimum Load Current | 5mA @ 5VDC |
| Maximum Leakage Current | 0.1 mA @ 264 VAC |
| Maximum Inrush Current | 3 A for 10 ms |
| OFF to ON Response | <15 ms |
| ON to OFF Response | <15 ms |
| Status Indicators | Logic Side (4 points, red LED) |
| Commons | 1 (4 points/common) |

C0-08CDR General Specifications

| | |
|------------------------------------|---|
| Bus Power Required (24 VDC) | Max. 80 mA (all points on) |
| Protection Circuit | Not built into the module - Install protection elements such as external fuse |
| Terminal Block Replacement | ADC p/n C0-8TB |
| Weight | 3.2 oz (90 g) |

C0-08CDR Typical Relay Life (Operations) at Room Temperature

| Voltage & Load Type* | Relay Life (ON to OFF = 1 cycle) |
|------------------------|-------------------------------------|
| 30 VDC, 1A, Resistive | 80,000 cycles |
| 30 VDC, 1A, Solenoid | 80,000 cycles |
| 250 VAC, 1A, Resistive | 80,000 cycles |
| 250 VAC, 1A, Solenoid | 80,000 cycles |

* These relay outputs support both inductive (solenoid) and resistive loads.

ZipLink Pre-Wired PLC Connection Cables and Modules for CLICK PLC

ZL-RTB20 20-pin
feed-through
connector module



11-pin connector cable
ZL-C0-CBL11 (0.5 m length)
ZL-C0-CBL11-1 (1.0 m length)
ZL-C0-CBL11-2 (2.0 m length)



Book 1 (14.1)

CLICK PLCs

eCL-71

Power Budgeting

Power Budgeting

There are two areas to be considered when determining the power required to operate a CLICK PLC system. The first area is the power required by the CLICK CPU, along with the internal logic side power that the CPU provides to its own I/O and any connected I/O modules that are powered through the CPU's expansion port; plus any device, such as a C-more Micro-Graphic panel, that is powered through one of the CPU's communication ports.

The second area is the power required by all externally connected I/O devices. This should be viewed as the field side power required. The field side power is dependent on the voltage used for a particular input or output device as it relates to the wired I/O point, and the calculated load rating of the connected device.

It is strongly recommended that the power source for the logic side be separate from the power source for the field side to help eliminate possible electrical noise.

Power budgeting requires the calculation of the total current that the 24 VDC power source needs to provide to CLICK's logic side, and also a separate calculation of the total current required for all devices operating from the field side of the PLC system.

See the Power Budgeting Example shown to the right. The table shows current requirements for a CLICK CPU, two I/O modules, and a C-more Micro. Use the total amperage values to select a proper sized power supply.

Power Budgeting Using the CLICK Programming Software

The CLICK Programming software can also be used for power budgeting. Based on the amperage rating of the power supply selected in the first column, your power budget is calculated by subtracting each consecutive module's power consumption from the total available power budget. If you exceed the maximum allowable power consumption the power budget row is highlighted in red.



CLICK 24 VDC Power Supply
CO-00AC or CO-01AC



Other 24 VDC Power Supply
Example: PSP24-60S

| CPU Current Consumption (mA) | | |
|------------------------------|--|------------------------------------|
| Part Number | Power Budget 24 VDC (logic side) | External 24 VDC (field side) |
| Basic CPU Modules | | |
| CO-00DD1-D | 120 | 60 |
| CO-00DD2-D | 120 | 0 |
| CO-00DR-D | 120 | 0 |
| CO-00AR-D | 120 | 0 |
| Standard CPU Modules | | |
| CO-01DD1-D | 140 | 60 |
| CO-01DD2-D | 140 | 0 |
| CO-01DR-D | 140 | 0 |
| CO-01AR-D | 140 | 0 |
| Analog CPU Modules | | |
| CO-02DD1-D | 140 | 60 |
| CO-02DD2-D | 140 | 0 |
| CO-02DR-D | 140 | 0 |

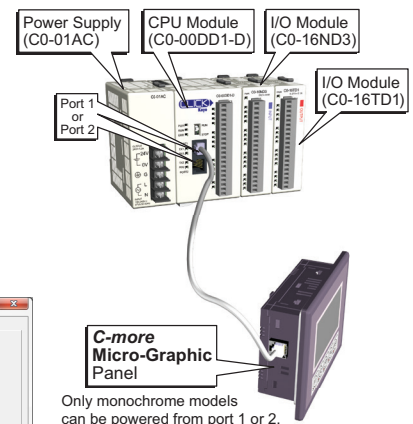
| I/O Module Current Consumption (mA) | | |
|-------------------------------------|--|------------------------------------|
| Part Number | Power Budget 24 VDC (logic side) | External 24 VDC (field side) |
| Discrete Input Modules | | |
| CO-08ND3 | 30 | 0 |
| CO-08ND3-1 | 30 | 0 |
| CO-16ND3 | 40 | 0 |
| CO-08NE3 | 30 | 0 |
| CO-16NE3 | 40 | 0 |
| CO-08NA | 30 | 0 |
| Discrete Output Modules | | |
| CO-08TD1 | 50 | 15 |
| CO-08TD2 | 50 | 0 |
| CO-16TD1 | 80 | 100 |
| CO-16TD2 | 80 | 0 |
| CO-08TA | 80 | 0 |
| CO-04TRS | 100 | 0 |
| CO-08TR | 100 | 0 |

| I/O Module Current Consumption (continued) (mA) | | |
|---|--|------------------------------------|
| Part Number | Power Budget 24 VDC (logic side) | External 24 VDC (field side) |
| Discrete Combo I/O Modules | | |
| CO-16CDD1 | 80 | 50 |
| CO-16CDD2 | 80 | 0 |
| CO-08CDR | 80 | 0 |
| Analog Input Modules | | |
| CO-04AD-1 | 20 | 65 |
| CO-04AD-2 | 23 | 65 |
| CO-04RTD | 25 | 0 |
| CO-04THM | 25 | 0 |
| Analog Output Modules | | |
| CO-04DA-1 | 20 | 145 |
| CO-04DA-2 | 20 | 85 |
| Analog Combo I/O Modules | | |
| CO-4AD2DA-1 | 25 | 75 |
| CO-4AD2DA-2 | 20 | 65 |
| C-more Micro-Graphic Panel | | |
| Monochrome only | 90 | 0 |

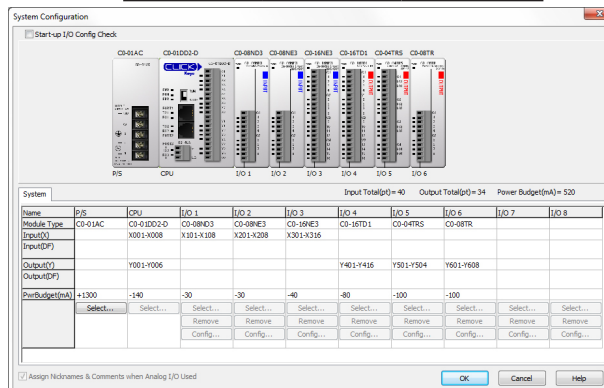
Power Budgeting Example

| Current Consumption (mA) Example | | |
|----------------------------------|--|------------------------------------|
| Part Number | Power Budget 24 VDC (logic side) | External 24 VDC (field side) |
| CO-00DD1-D | 120 | 60 |
| CO-16ND3 | 40 | 0 |
| CO-16TD1 | 80 | 100 |
| C-more Micro | 90 | 0 |
| Total: | 330 | 160 * |

* Plus calculated load of connected I/O devices.



Only monochrome models can be powered from port 1 or 2.



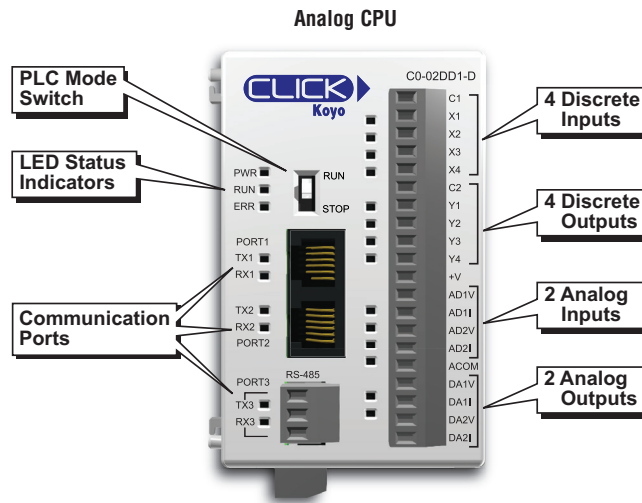
Choosing the I/O Type

Analog CPU Modules

The Analog CLICK CPU modules are available with different combinations of DC in, DC sinking, sourcing or relay out, and analog in and out.

They also have an RS-485 port for Modbus and ASCII communications, and the battery backup feature which will retain the data in SRAM for 5 years (battery sold separately; part no. D2-BAT-1).

The table lists the part numbers showing the various I/O type combinations.

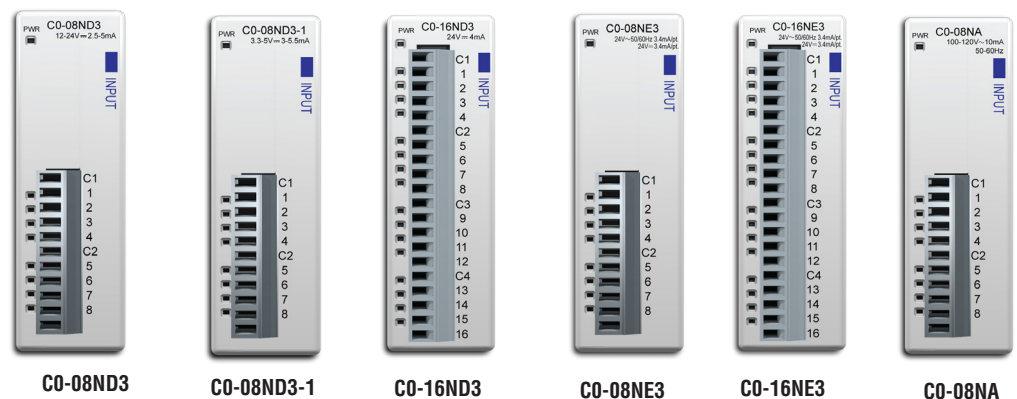


| Analog CLICK CPUs | | | | | |
|-------------------|----------------------|-----------------------|---|---|--------------------------------|
| Part Number | Discrete Input Types | Discrete Output Types | Analog Input Types | Analog Output Types | External Power |
| C0-02DD1-D | 4 DC (sink/source) | 4 DC (sink) | 2 channel; voltage (0-5 VDC) / current (4-20 mA); selectable separately per channel; 12 bit | 2 channel; voltage (0-5 VDC) / current (4-20 mA); selectable separately per channel; 12 bit | 24 VDC (required for all CPUs) |
| C0-02DD2-D | | 4 DC (source) | | | |
| C0-02DR-D | | 4 relay | | | |

I/O Modules

A variety of discrete, combo, and analog I/O modules are available for the CLICK PLC system. Up to eight I/O modules can be connected to a CLICK CPU module to expand the system I/O count and meet the needs of a specific application. Complete I/O module specifications and wiring diagrams can be found later in this section.

Discrete Input Modules

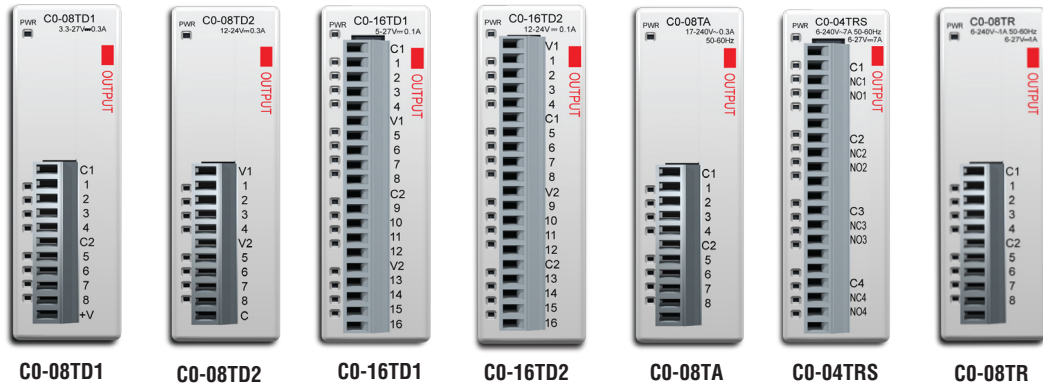


| Discrete Input Modules | | | |
|------------------------|--------------------------|----------------|-----------------|
| Part Number | I/O Type/ Number/Commons | Sink or Source | Voltage Ratings |
| C0-08ND3 | DC/8/2 | Sink or Source | 12-24 VDC |
| C0-08ND3-1 | DC/8/2 | Sink or Source | 3.3-5 VDC |
| C0-16ND3 | DC/16/4 | Sink or Source | 24 VDC |
| C0-08NE3 | AC/DC / 8/2 | Sink or Source | 24 VAC/VDC |
| C0-16NE3 | AC/DC / 16/4 | Sink or Source | 24 VAC/VDC |
| C0-08NA | AC/8/2 | N/A | 100-120 VAC |

Choosing the I/O Type

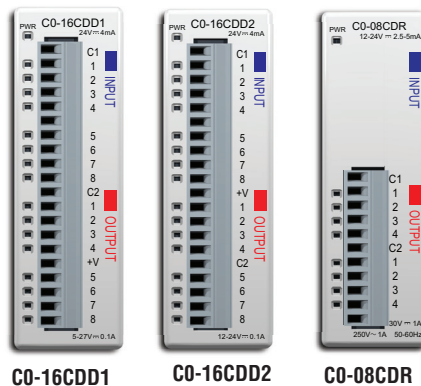
Discrete I/O Modules (continued)

Discrete Output Modules



| Discrete Output Modules | | | |
|-------------------------|------------------------------|-------------------|---------------------------------|
| Part Number | I/O Type/ Number/ Commons | Sink or Source | Voltage/Current Ratings |
| CO-08TD1 | DC/8/2 | Sink | 3.3-27 VDC, 0.3 A |
| CO-08TD2 | DC/8/1 | Source | 12-24 VDC, 0.3 A |
| CO-16TD1 | DC/16/2 | Sink | 5-27 VDC, 0.1 A |
| CO-16TD2 | DC/16/2 | Source | 12-24 VDC, 0.1 A |
| CO-08TA | AC/8/2 | N/A | 17-240 VAC, 0.3 A |
| CO-04TRS | Relay/4/4 | N/A | 6-27 VDC, 7 A 6-240 VAC, 7 A |
| CO-08TR | Relay/8/2 | N/A | 6-27 VDC, 1 A 6-240 VAC, 1 A |

Discrete Combo I/O Modules

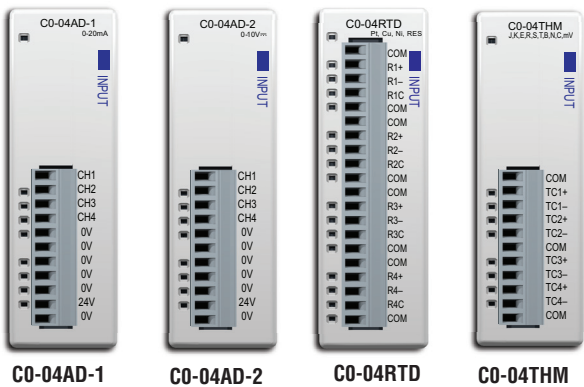


| Discrete Combo I/O Modules | | | | |
|----------------------------|--------------------|---------------|---------------|-------------------------------------|
| Part Number | Input Type | Input Voltage | Output Type | Output Voltage / Current Ratings |
| CO-16CDD1 | 8 DC (source/sink) | 24 VDC | 8 DC (sink) | 5-27 VDC / 0.1 A |
| CO-16CDD2 | 8 DC (source/sink) | 24 VDC | 8 DC (source) | 12-24 VDC / 0.1 A |
| CO-08CDR | 4 DC (source/sink) | 12-24 VDC | 4 (relay) | 6.25-24 VDC, 1 A 6-240 VAC, 1 A |

Choosing the I/O Type

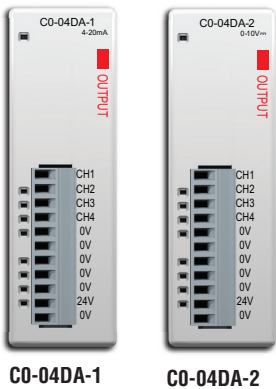
Analog I/O Modules

Analog Input Modules



| Analog Input Modules | | |
|----------------------|---|-------------------------|
| Part Number | Analog Input Types | External Power Required |
| <i>C0-04AD-1</i> | 4 channel, current (0-20 mA), 13 bit | 24 VDC |
| <i>C0-04AD-2</i> | 4 channel, voltage (0-10 V), 13 bit | 24 VDC |
| <i>C0-04RTD</i> | 4 channel RTD input (0.1 degree °C/°F resolution), or resistive input (0 to 3125 ohms) | None |
| <i>C0-04THM</i> | 4 channel thermocouple input (0.1 degree °C/°F resolution), or voltage input (-156.25 mV to 1.25 V), 16 bit | None |

Analog Output Modules

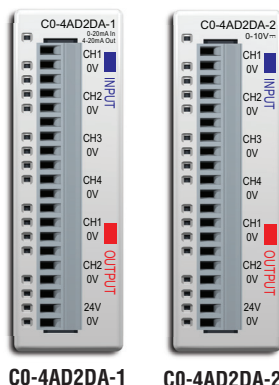


| Analog Output Modules | | |
|-----------------------|---|-------------------------|
| Part Number | Analog Output Types | External Power Required |
| <i>C0-04DA-1</i> | 4 channel, current sourcing (4-20 mA), 12 bit | 24 VDC |
| <i>C0-04DA-2</i> | 4 channel, voltage (0-10 V), 12 bit | 24 VDC |

Choosing the I/O Type / Specifications

Analog I/O Modules (continued)

Analog Combo I/O Modules



| Analog Combo I/O Modules | | | |
|--------------------------|--------------------------------------|---|-------------------------|
| Part Number | Analog Input Type | Analog Output Type | External Power Required |
| C0-4AD2DA-1 | 4 channel, current (0-20 mA), 13 bit | 2 channel, current sourcing (4-20 mA), 12 bit | 24 VDC |
| C0-4AD2DA-2 | 4 channel, voltage (0-10 V), 13 bit | 4 channel, voltage (0-10 V), 12 bit | 24 VDC |

General Specifications For All CLICK PLC Products

These general specifications apply to all CLICK CPUs, optional I/O modules, and optional power supply products. Please refer to the appropriate I/O temperature derating charts under both the CPU and I/O module specifications to determine best operating conditions based on the ambient temperature of your particular application.

| General Specifications | |
|---------------------------------------|---|
| Power Input Voltage Range | 20-28 VDC |
| Maximum Power Consumption | 5 W (No 5 V use from communication port) |
| Maximum Inrush Current | 30 A (less than 1ms) |
| Acceptable External Power Drop | Max 10 ms |
| Operating Temperature | Analog, analog combo I/O modules only: 32°F to 140°F (0°C to 60°C); All other modules: 32°F to 131°F (0°C to 55°C), IEC 60068-2-14 (Test Nb, Thermal Shock) |
| Storage Temperature | -4°F to 158°F (-20°C to 70°C) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock) |
| Ambient Humidity | 30% to 95% relative humidity (non-condensing) |
| Environmental Air | No corrosive gases. Environmental pollution level is 2 (UL840) |
| Vibration | MIL STD 810C, Method 514.2, EC60068-2-6 JIS C60068-2-6 (Sine wave vibration test) |
| Shock | MIL STD 810C, Method 516.2, IEC60068-2-27, JIS C60068-2-27 |
| Noise Immunity | Comply with NEMA ICS3-304, Impulse noise 1µs, 1000V EN61000-4-2 (ESD), EN61000-4-3 (RFI), EN61000-4-4 (FTB) EN61000-4-5 (Surge), EN61000-4-6 (Conducted) EN61000-4-8 (Power frequency magnetic field immunity) RFI: No interference measured at 150 and 450 MHz (5w/15cm) |
| Emissions | EN55011:1998 Class A |
| Agency Approvals | UL508 (File No. E157382, E316037); CE (EN61131-2) |
| Other | RoHS |



Wiring System for CLICK PLCs

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.

ZIPLinks are available in a variety of styles to suit your needs, including feedthrough connector module. **ZIPLinks** are available for all Basic and Standard CLICK CPU modules and most discrete and analog I/O modules. Pre-printed I/O-specific adhesive label strips for quick marking of **ZIPLink** modules are provided with **ZIPLink** cables.



Solution 1: CLICK CPU and 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 CPU and I/O Modules to **ZIPLink** Connector Modules selector tables located in this section,

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

Solution 2: CLICK CPU and I/O Modules to 3rd Party Devices

When wanting to connect I/O to another device within close 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 the **ZIPLink** section,

1. Locate your CPU or 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 the **ZIPLink** section,

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



Solution 4: Serial Communications Cables

ZIPLink offers communications cables for use with CLICK CPUs that can also be used with other communications devices. Connections include a 6-pin RJ12 connector which can be used in conjunction with the RJ12 Feedthrough module.

Using the Serial Communications Cables selector table located in the **ZIPLink** section,

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





Wiring System for CLICK PLCs

Company
InformationControl Systems
Overview

CLICK PLC

Do-More
PLCs OverviewDo-More H2
PLCDo-More T1H
PLCDirectLOGIC
PLCs OverviewDirectLOGIC
DL05/06DirectLOGIC
DL105DirectLOGIC
DL205DirectLOGIC
DL305DirectLOGIC
DL405Productivity
Controller
OverviewProductivity
3000Universal
Field I/O

Software

C-More
HMIC-More Micro
HMIViewMarq
Industrial
Marquees

Other HMI

Communications

Appendix
Book 1Terms and
Conditions

| CLICK PLC CPU Module ZIPLink Selector | | | | |
|---------------------------------------|------------|---|-----------------|----------------|
| PLC | | ZIPLink | | |
| CPU Module | # of Terms | Component | Module Part No. | Cable Part No. |
| CO-00DD1-D | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-00DD2-D | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-00DR-D | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-00AR-D | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-01DD1-D | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-01DD2-D | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-01DR-D | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-01AR-D | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-02DD1-D | 20 | No ZIPLinks are available for analog CPU modules. | | |
| CO-02DD2-D | 20 | | | |
| CO-02DR-D | 20 | | | |

| CLICK PLC Discrete Input Module ZIPLink Selector | | | | |
|--|------------|-------------|-----------------|----------------|
| I/O Module | | ZIPLink | | |
| Input Module | # of Terms | Component | Module Part No. | Cable Part No. |
| CO-08ND3 | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-08ND3-1 | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-08NE3 | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-08NA | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-16ND3 | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| | | Sensor | ZL-LTB16-24 | ZL-CO-CBL20* |
| CO-16NE3 | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| | | Sensor | ZL-LTB16-24 | ZL-CO-CBL20* |

| CLICK PLC Discrete Output Module ZIPLink Selector | | | | |
|---|------------|------------------|-----------------------|----------------|
| I/O Module | | ZIPLink | | |
| Output Module | # of Terms | Component | Module Part No. | Cable Part No. |
| CO-08TD1 | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-08TD2 | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-08TR | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-08TA | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-16TD1 | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| | | Fuse | ZL-RFU20 ² | ZL-CO-CBL20* |
| | | Relay (sinking) | ZL-RRL16-24-1 | ZL-CO-CBL20* |
| CO-16TD2 | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| | | Fuse | ZL-RFU20 ² | ZL-CO-CBL20* |
| | | Relay (sourcing) | ZL-RRL16-24-2 | ZL-CO-CBL20* |
| CO-04TRS ¹ | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |

¹ Note: The CO-04TRS relay output is derated not to exceed 2A per point maximum when used with the ZIPLink wiring system.

² Note: 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.

| CLICK PLC Combo I/O Module ZIPLink Selector | | | | |
|---|------------|-------------|-----------------|----------------|
| I/O Module | | ZIPLink | | |
| Combo Module | # of Terms | Component | Module Part No. | Cable Part No. |
| CO-16CDD1 | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-16CDD2 | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-08CDR | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |

| CLICK PLC Analog I/O Module ZIPLink Selector | | | | |
|--|------------|---|-----------------|----------------|
| I/O Module | | ZIPLink | | |
| Analog Module | # of Terms | Component | Module Part No. | Cable Part No. |
| CO-04AD-1 | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-04AD-2 | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-04RTD | 20 | No ZIPLinks are available for RTD and thermocouple modules. | | |
| CO-04THM | 11 | | | |
| CO-04DA-1 | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-04DA-2 | 11 | Feedthrough | ZL-RTB20 | ZL-CO-CBL11* |
| CO-4AD2DA-1 | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |
| CO-4AD2DA-2 | 20 | Feedthrough | ZL-RTB20 | ZL-CO-CBL20* |

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