



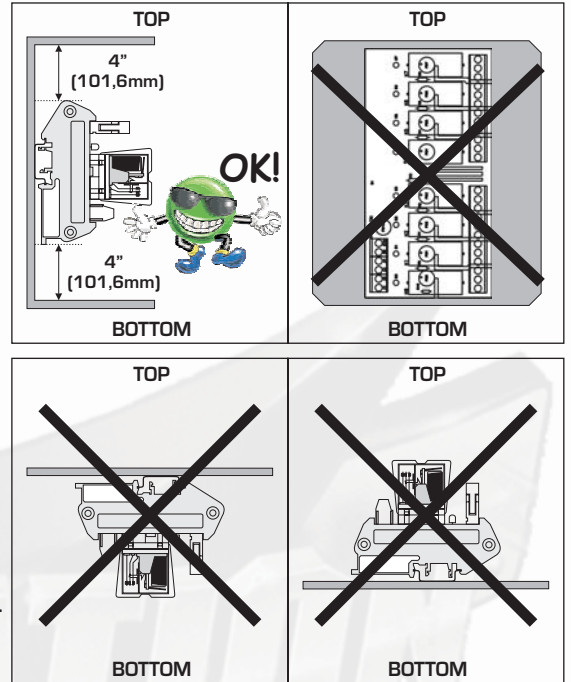
To download fullsize color .pdf Ziplink Wiring Diagrams go to www.Automationdirect.com website

ZIP LINK™
Automationdirect.com
800-633-0405

Relay Connector Module ZL-CM16RL24B Cables and PLC I/O Modules

Mounting Orientation:

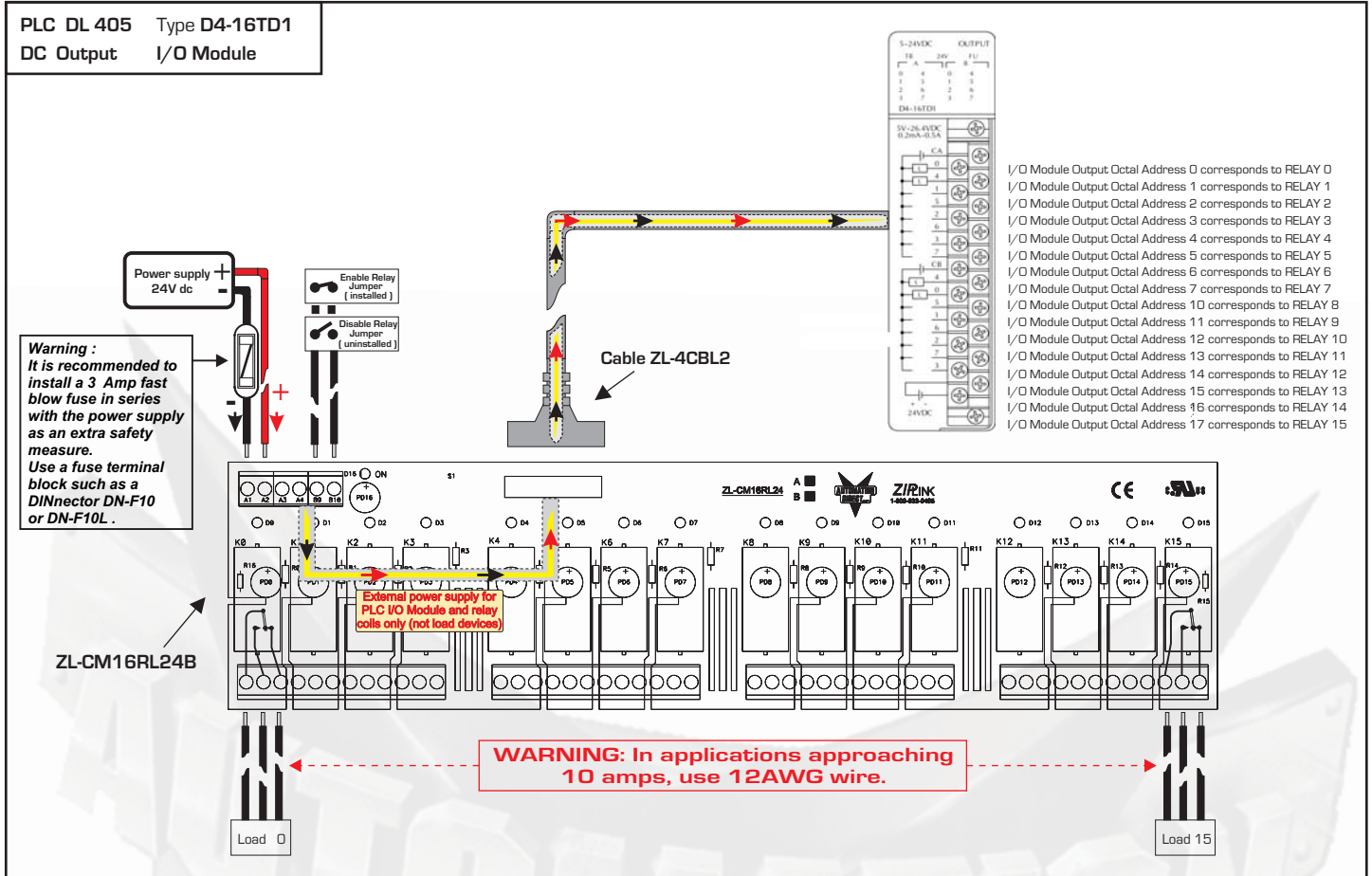
PLC Type	Cable Type	PLC I/O Module Type	Connector Module Type
DL405	ZL-4CBL2	D4-16TD1	ZL-CM16RL24B
DL305	ZL-3CBL3FRD16	D3-16TD1-2	ZL-CM16RL24B
DL05/06	ZL-CBL056FR	D0-16TD1	ZL-CM16RL24B
DL05/06	ZL-CBL056FR	D0-16TD2	ZL-CM16RL24B
DL05/06	ZL-2CBL056FR	D0-10TD1	ZL-CM16RL24B
DL05/06	ZL-2CBL056FR	D0-10TD2	ZL-CM16RL24B
DL405	ZL-4CBL2	D4-16TD2	ZL-CM16RL24B



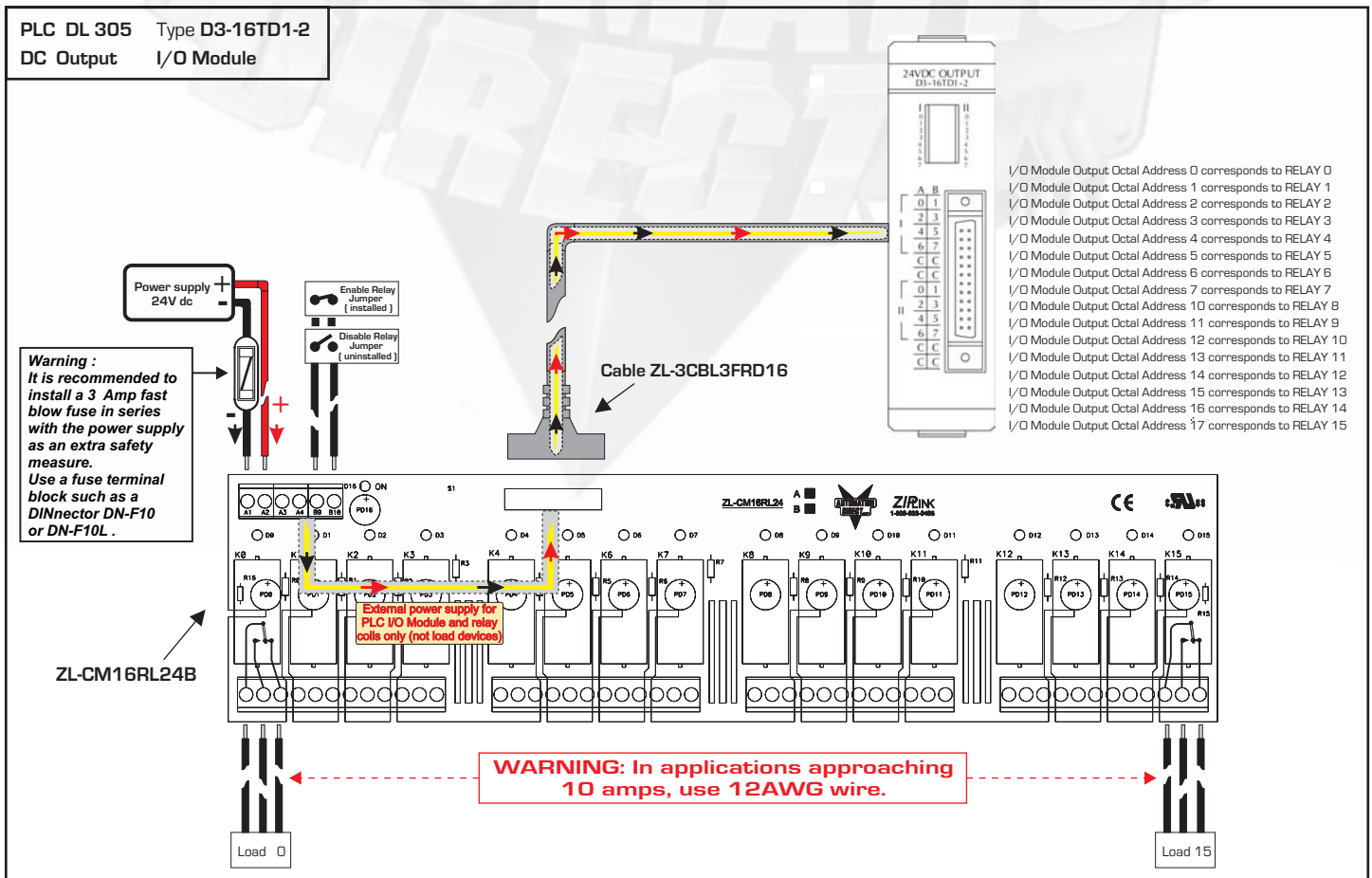
WARNING : WIRE ONLY ACCORDING TO WIRING DIAGRAMS SHOWN BELOW TO AVOID CAUSING DAMAGE TO THE PLC OR CONNECTOR MODULE. MATCH THE CORRECT COMBINATION OF CABLE, PLC I/O MODULE, AND CONNECTOR MODULE AS SHOWN.

DC-Powered Relay Modules	
Part Number	ZL-CM16RL24B
Description	16-channel relay module w/LEDs, 24 pin IDC
Approvals	UL/CUL/CE
Operating Range, Coil	0 - 24VDC
Input Current per Channel	25mA ±5%
Coil Supply Voltage	24VDC±5%
Coil Supply Current Max	350mA
Pickup Current	16.7mA
Switching Speed	60Hz
Contact Type	1 Form C (SPDT)
Contact Voltage (per point)	250VAC/30VDC
Contact Current (per point)	10A
Coil/Contact Isolation	2500VAC (up to 1min.)
Operating Temperature	-10°C to +45°C
OFF to ON/ON to OFF Response	15ms/5ms
Life Mechanical Contact	2x10 6th
Maximum Switching Voltage	400Vca 125Vcc
Maximum Current for Relay	10A
Maximum Power, Inductive	ca1500VA cc 150W
Maximum Power, Resistive	ca2500VA cc 300W
Minimum Load	100mA 5Vcc
Channel to Channel/Contact Isolation	1000VAC (up to 1 min.)
Terminal Block Contact	Copper alloy, tin-lead plating
Dimensions (L x W x H)	11.574"(294mm)x3.66"(93mm)x 2.87"(73mm)
Spare Relays	ZL-RELAY-24
Spare Relay Clips	ZL-RELAY-KIT

Wiring Diagram: Power Supply and Cable

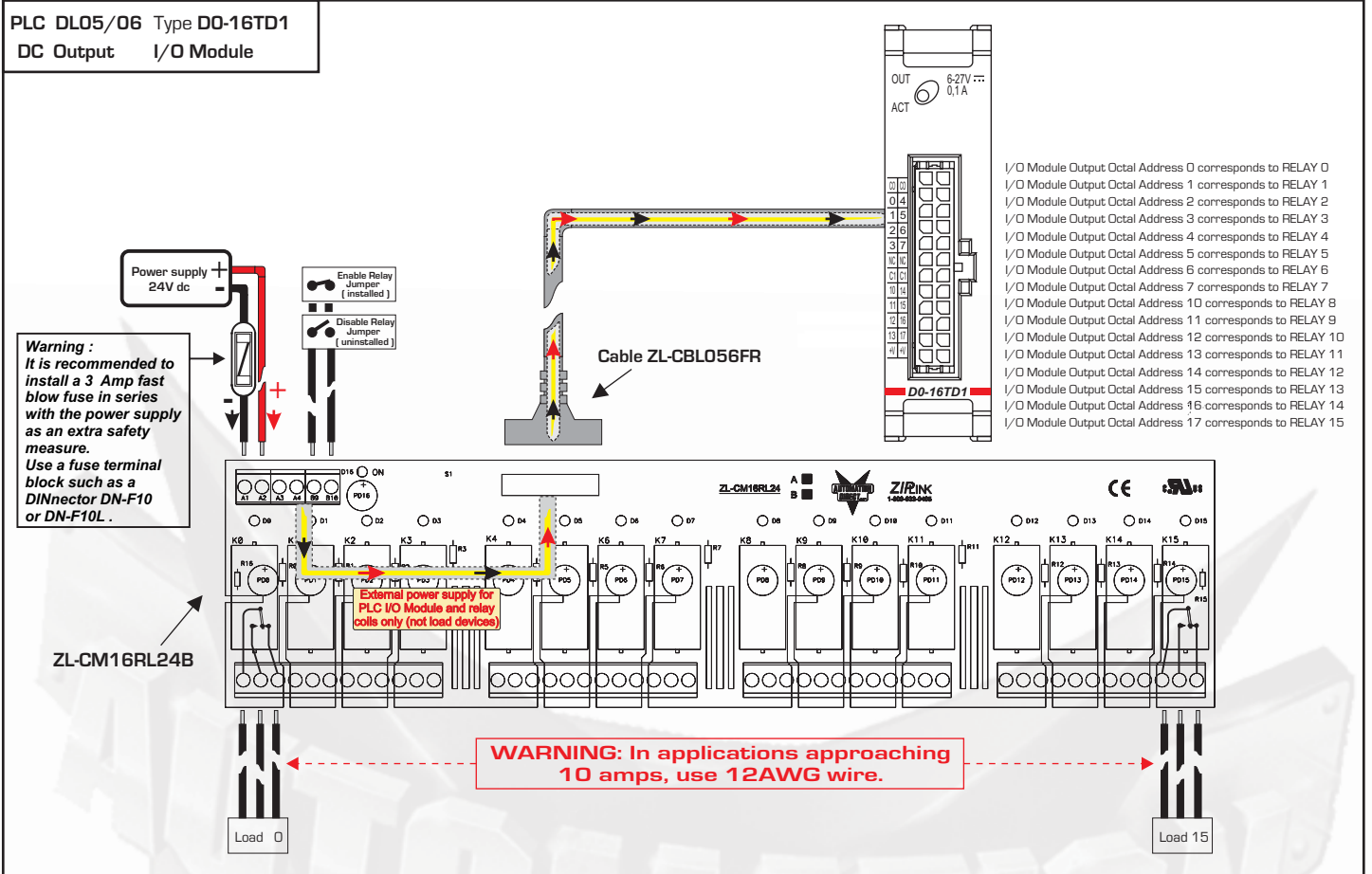


Wiring Diagram: Power Supply and Cable



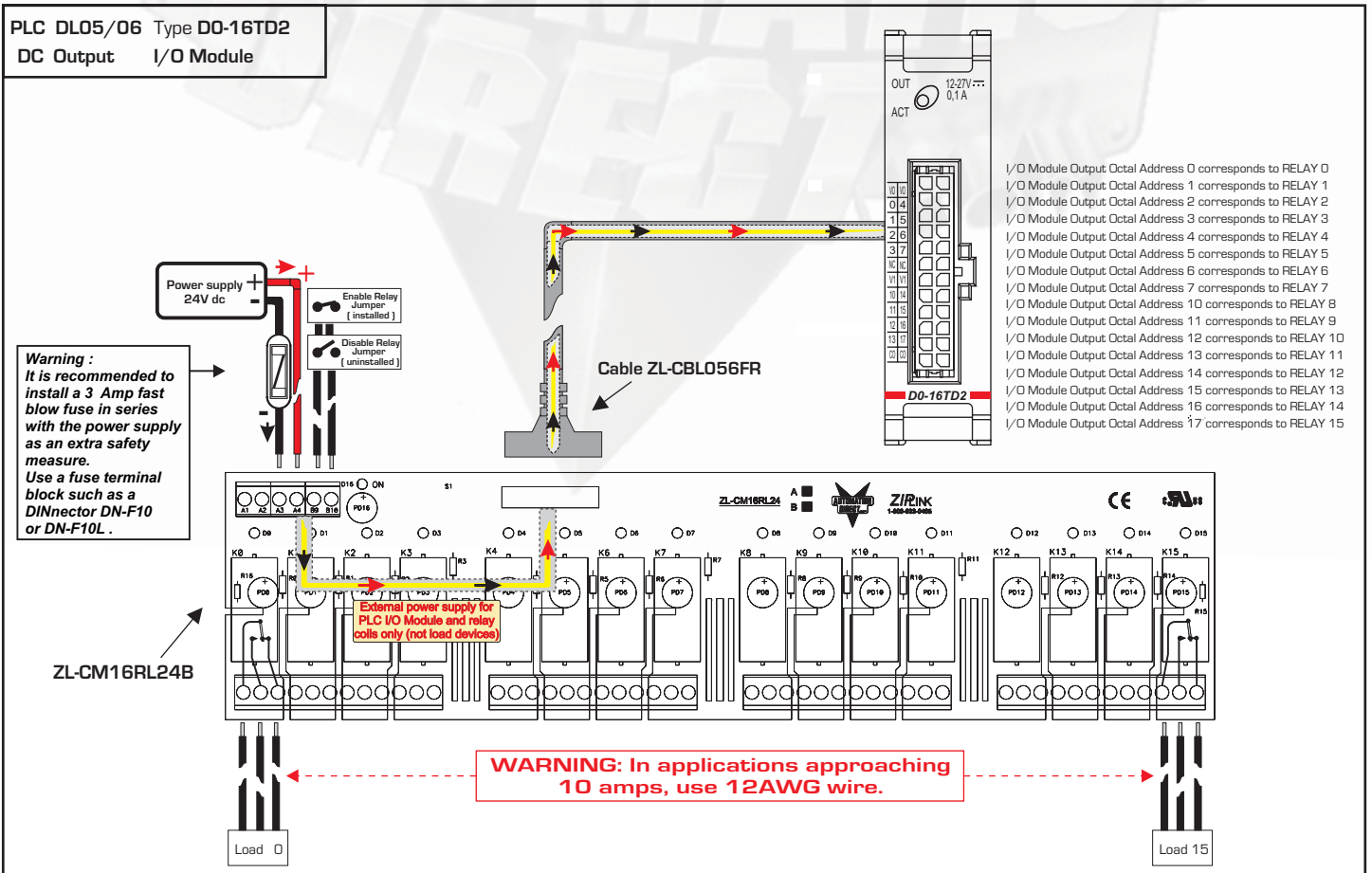
Wiring Diagram: Power Supply and Cable

PLC DL05/06 Type D0-16TD1
DC Output I/O Module



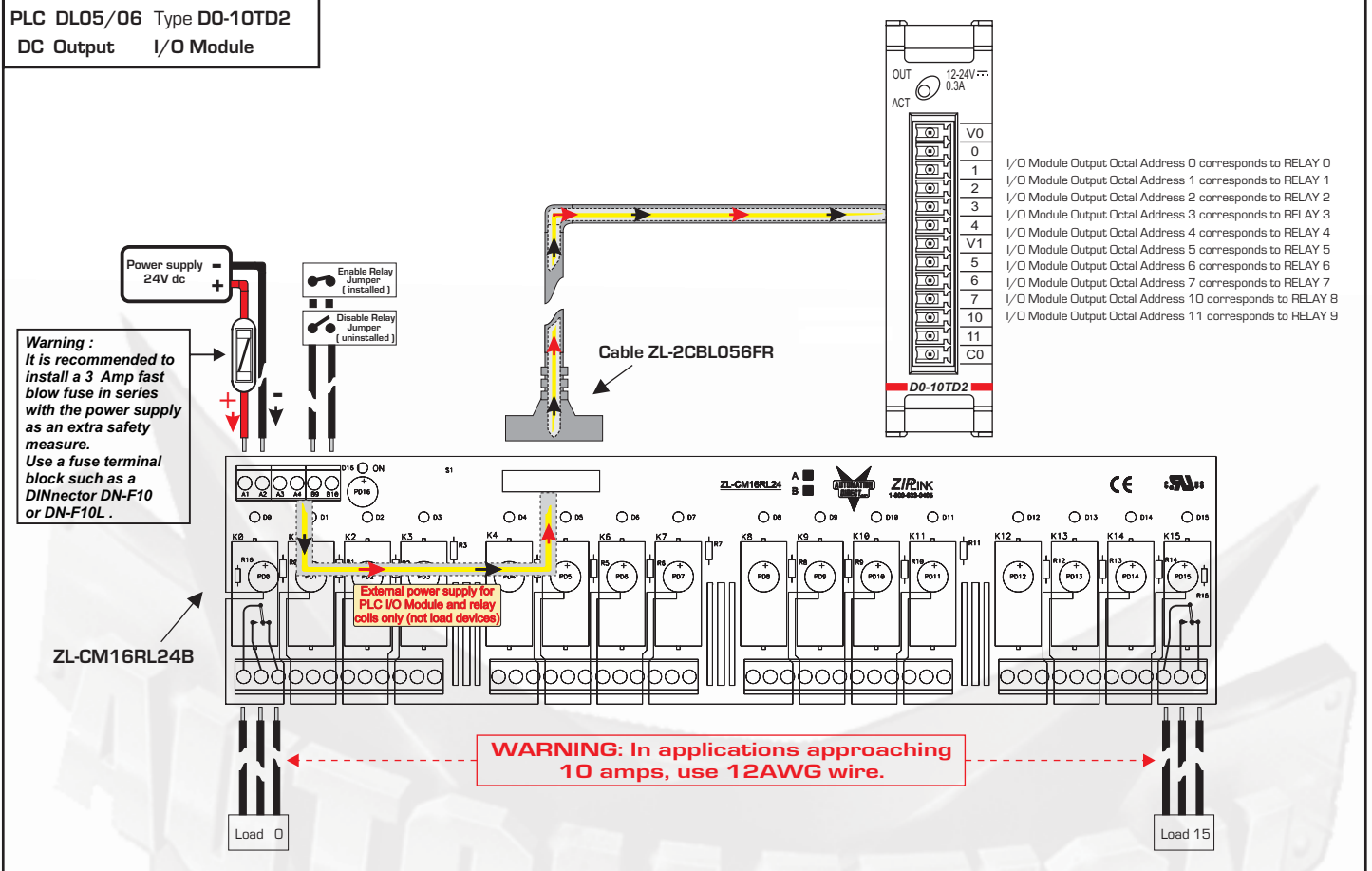
Wiring Diagram: Power Supply and Cable

PLC DL05/06 Type D0-16TD2
DC Output I/O Module



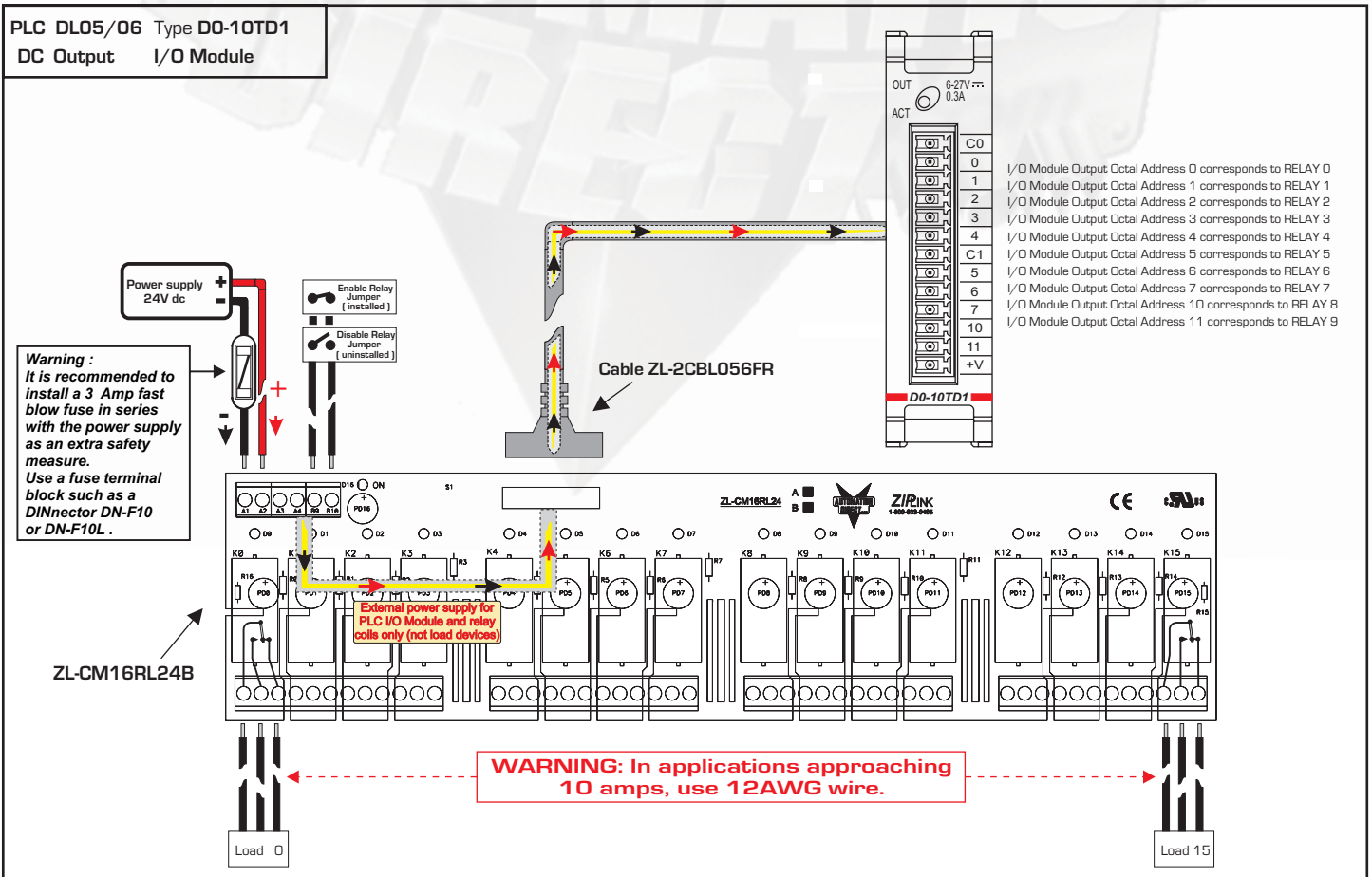
Wiring Diagram: Power Supply and Cable

PLC DL05/06 Type D0-10TD2
DC Output I/O Module



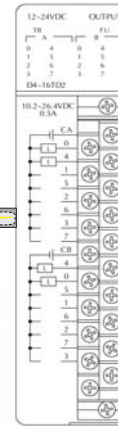
Wiring Diagram: Power Supply and Cable

PLC DL05/06 Type D0-10TD1
DC Output I/O Module



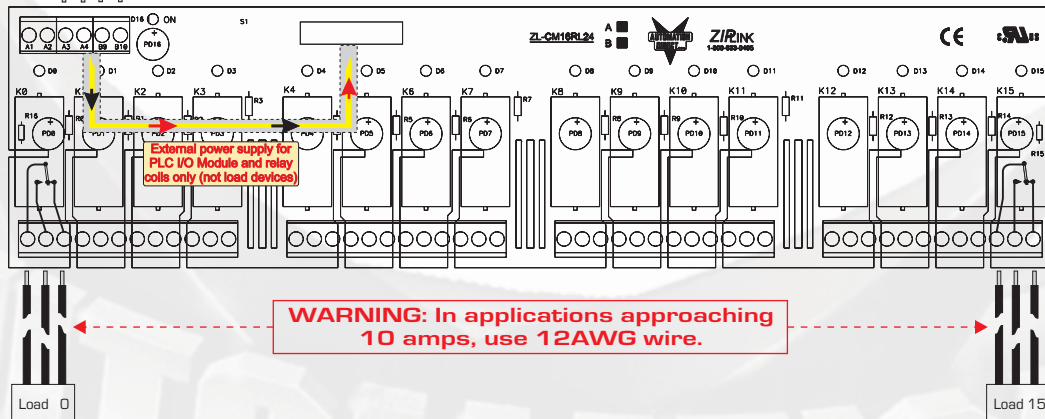
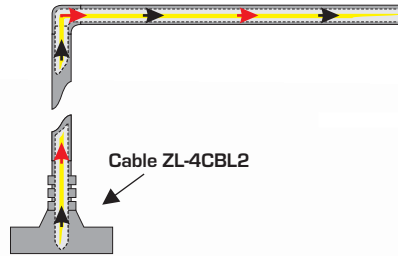
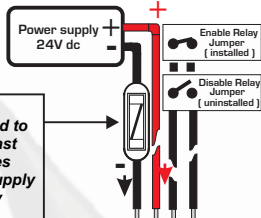
Wiring Diagram: Power Supply and Cable

PLC DL 405 Type D4-16TD2
DC Output I/O Module



- I/O Module Output Octal Address 0 corresponds to RELAY 0
- I/O Module Output Octal Address 1 corresponds to RELAY 1
- I/O Module Output Octal Address 2 corresponds to RELAY 2
- I/O Module Output Octal Address 3 corresponds to RELAY 3
- I/O Module Output Octal Address 4 corresponds to RELAY 4
- I/O Module Output Octal Address 5 corresponds to RELAY 5
- I/O Module Output Octal Address 6 corresponds to RELAY 6
- I/O Module Output Octal Address 7 corresponds to RELAY 7
- I/O Module Output Octal Address 8 corresponds to RELAY 8
- I/O Module Output Octal Address 9 corresponds to RELAY 9
- I/O Module Output Octal Address 10 corresponds to RELAY 10
- I/O Module Output Octal Address 11 corresponds to RELAY 11
- I/O Module Output Octal Address 12 corresponds to RELAY 12
- I/O Module Output Octal Address 13 corresponds to RELAY 13
- I/O Module Output Octal Address 14 corresponds to RELAY 14
- I/O Module Output Octal Address 15 corresponds to RELAY 15
- I/O Module Output Octal Address 16 corresponds to RELAY 16
- I/O Module Output Octal Address 17 corresponds to RELAY 17

Warning :
It is recommended to install a 3 Amp fast blow fuse in series with the power supply as an extra safety measure.
Use a fuse terminal block such as a DINnector DN-F10 or DN-F10L .



External power supply for PLC I/O Module and relay coils only (not load devices)

WARNING: In applications approaching 10 amps, use 12AWG wire.