

# Communication Adapter Modules

Communication adapter modules eliminate the hassle associated with connecting crimp or solder connectors to PLC communication ports. The communication adapters offer fast and convenient screw terminal connections for DL06/250(-1)/260/350/450 PLCs. A DIP switch allows you to select between RS-232, RS-422, and *Direct*LOGIC Remote I/O. The 15-pin version, compatible with the DL06, D2-250(-1), and D2-260, offers power, transmit, and receive LED indicators to simplify and speed diagnostics and troubleshooting.

Modules mount on 35 mm DIN rail part #DN-R35S1 (see Accessories below).

**Note:** This is not an RS-232 to RS-422 converter.



**DN-15TB**



**DN-25TB**

PLC Overview

DL05/06 PLC

DL105 PLC

DL205 PLC

DL305 PLC

DL405 PLC

Field I/O

Software

C-more HMIs

Other HMI

AC Drives

Motors

Steppers/Servos

Motor Controls

Proximity Sensors

Photo Sensors

Limit Switches

Encoders

Current Sensors

Pushbuttons/Lights

Process

Relays/Timers

Comm.

TB's & Wiring

Power

Circuit Protection

Enclosures

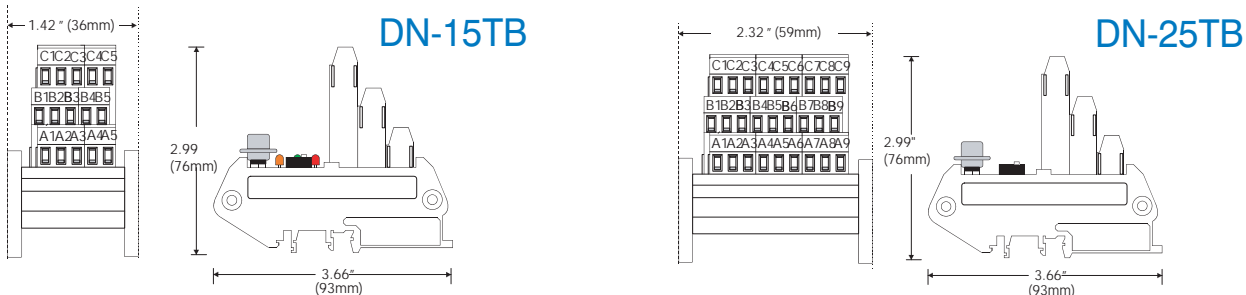
Appendix

Part Index

Specifications						
Communication Adapter Modules	Part #	Pcs/Pkg	Price/Pkg	Part #	Pcs/Pkg	Price/Pkg
	DN-15TB	1	<--->	DN-25TB	1	<--->
<b>Description</b>	DL06, D2-250-1 and D2-260 PLC bottom port adapter board: D-sub to terminal blocks			D2/D4-DCM, D3-350 and D4-450 PLC bottom port adapter board: D-sub to terminal blocks		
<b>Approvals</b>	UL/CUL/CE					
<b>Communications Interface</b>	RS232, RS422, RS485					
<b>Indication: Power On/Transmit Data</b>	LED, red, orange			N/A		
<b>Indication Receive Data</b>	LED, green			N/A		
<b>Terminal Block Contacts</b>	Copper alloy, tin-lead plating					
<b>Wire Range (Rated Cross Section)</b>	14-22AWG (0.2-2.5mm <sup>2</sup> )					
<b>Wire Strip Length</b>	0.32" (8mm)					
<b>Recommended Tightening Torque</b>	3.5-4.5 lb-in. (0.38-0.50 Nm)					
<b>Operating Temperature Range</b>	0°C to +50°C					
<b>Dimensions (L x W x H)</b>	1.42"(36mm)x2.99"(76mm)x3.66"(93mm)			2.32"(59mm)x2.99"(76mm)x3.66"(93mm)		

Accessories						
	Part #	Pcs/Pkg	Price/Pkg	Part #	Pcs/Pkg	Price/Pkg
<b>DIN Rail</b>	DN-R35S1	10	<--->	DN-R35S1	10	<--->
<b>Angled Support Bracket</b>	DN-ASB1	50	<--->	DN-ASB1	50	<--->
<b>End Bracket</b>	DN-EB35	50	<--->	DN-EB35	50	<--->
<b>Slotted Screwdriver</b>	DN-SS1	1	<--->	DN-SS1	1	<--->
<b>Cable</b>	ZL-DN15TB-CBL	1	<--->	ZL-DN25TB-CBL	1	<--->

**Note:** Use ZL-DN15TB-CBL ONLY for Communication Module DN-15TB. Super VGA cables will not function correctly.



**Note:** See wiring details on our Web site at: <http://www.automationdirect.com/static/manuals/ziplinks/ziplinks.html>

# Connection Cables

ZIPLink Connection Cables				
Part Number	Description	Insulation Rating	Conductor Size	Price
<b>Standard DL205 8 Channel</b>				
ZL-2CBL1	DL205-8 ZIPLink cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-2CBL1-1	DL205-8 ZIPLink cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-2CBL1-2	DL205-8 ZIPLink cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->
<b>Standard DL205 16 Channel</b>				
ZL-2CBL2	DL205-16 ZIPLink cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-2CBL2-1	DL205-16 ZIPLink cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-2CBL2-2	DL205-16 ZIPLink cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->
<b>LED/Sensor DL205 16 Channel</b>				
ZL-2CBL2L	DL205-16, ZIPLink LED/sensor module cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-2CBL2L-1	DL205-16, ZIPLink LED/sensor module cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-2CBL2L-2	DL205-16, ZIPLink LED/sensor module cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->
<b>Standard DL305 16 Channel</b>				
ZL-3CBL2	DL305-16 ZIPLink cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-3CBL2-1	DL305-16 ZIPLink cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-3CBL2-2	DL305-16 ZIPLink cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->
<b>LED/Sensor DL305 16 Channel</b>				
ZL-3CBL2L	DL305-16, ZIPLink LED/sensor module cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-3CBL2L-1	DL305-16, ZIPLink LED/sensor module cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-3CBL2L-2	DL305-16, ZIPLink LED/sensor module cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->
<b>Fuse/Relay DL305 8 Channel</b>				
ZL-3CBL1FR8	DL305-8, ZIPLink fuse/relay module cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-3CBL1FR8-1	DL305-8, ZIPLink fuse/relay module cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-3CBL1FR8-2	DL305-8, ZIPLink fuse/relay module cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->
<b>Fuse/Relay DL305 16 Channel</b>				
ZL-3CBL2FR16	DL305-16, ZIPLink fuse/relay module cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-3CBL2FR16-1	DL305-16, ZIPLink fuse/relay module cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-3CBL2FR16-2	DL305-16, ZIPLink fuse/relay module cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->
<b>Standard DL305 16 Channel</b>				
ZL-3CBL3	DL305-16 ZIPLink cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-3CBL3-1	DL305-16 ZIPLink cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-3CBL3-2	DL305-16 ZIPLink cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->
<b>Fuse/Relay DL305 16 Channel</b>				
ZL-3CBL3FRD16	DL305-16, ZIPLink fuse/relay module cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-3CBL3FRD16-1	DL305-16, ZIPLink fuse/relay module cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-3CBL3FRD16-2	DL305-16, ZIPLink fuse/relay module cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->
<b>Standard DL405 16 Channel</b>				
ZL-4CBL2	DL405-16 ZIPLink cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-4CBL2-1	DL405-16 ZIPLink cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-4CBL2-2	DL405-16 ZIPLink cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->
<b>Standard DL205 or DL405 32 Channel</b>				
ZL-4CBL4	DL205 or DL405-32 ZIPLink cable, 1.6 ft. (0.5M)	300V 80°C	#24 AWG	<--->
ZL-4CBL4-1	DL205 or DL405-32 ZIPLink cable, 3.3 ft. (1.0M)	300V 80°C	#24 AWG	<--->
ZL-4CBL4-2	DL205 or DL405-32 ZIPLink cable, 6.5 ft. (2.0M)	300V 80°C	#24 AWG	<--->

ZL-2CBL1xx



ZL-2CBL2xx



ZL-3CBL2xx



ZL-3CBL3xx



ZL-4CBL2xx



ZL-4CBL4xx



PLC Overview

DL05/06 PLC

DL105 PLC

DL205 PLC

DL305 PLC

DL405 PLC

Field I/O

Software

C-more HMIs

Other HMI

AC Drives

Motors

Steppers/Servos

Motor Controls

Proximity Sensors

Photo Sensors

Limit Switches

Encoders

Current Sensors

Pushbuttons/Lights

Process

Relays/Timers

Comm.

TB's & Wiring

Power

Circuit Protection

Enclosures

Appendix

Part Index

# Connection Cables (cont.)

ZiPLink Connection Cables				
Part Number	Description	Insulation Rating	Conductor Size	Price
<b>Communication Adapter</b>				
<b>ZL-DN15TB-CBL</b>	15 pin shielded cable for DN-15TB module 6.5 ft (2M)	300V 80°C	#28 AWG	<--->
<b>ZL-DN25TB-CBL</b>	25 pin shielded cable for DN-25TB module 6.5 ft (2M)	300V 80°C	#28 AWG	<--->
<b>Ready to Wire w/Pigtail End</b>				
<b>ZL-2CBL2-2P</b>	DL-205-16 Ready-to-wire 20 conductor cable, 2A max/conductor 6.5 ft (2M)	300V 80°C	#24 AWG	<--->
<b>ZL-3CBL3-2P</b>	DL-305-16 Ready-to-wire 24 conductor cable, 2A max/conductor 6.5 ft (2M)	300V 80°C	#24 AWG	<--->
<b>Standard DL05/06</b>				
<b>ZL-CBL056</b>	Ziplink cable for DL05 and 06 16 point I/O modules to Ziplink feedthrough modules (0.5M)	300V 80°C	#24 AWG	<--->
<b>ZL-CBL056L</b>	Ziplink cable for DL05 and 06 16 point I/O LED modules (0.5M)	300V 80°C	#24 AWG	<--->
<b>ZL-CBL056FR</b>	Ziplink cable for DL05 and 06 16 point I/O fuse/relay modules (0.5M)	300V 80°C	#24 AWG	<--->
<b>Standard</b>				
<b>ZL-DB9-CBL</b>	Cable with 9-pin Dsub connectors on both ends, black. male/female, (2M)	300V 80°C	#28 AWG	<--->
<b>ZL-DB15-CBL</b>	Cable with 15-pin Dsub connectors on both ends, black. male/female, (2M)	300V 80°C	#28 AWG	<--->
<b>ZL-DB25-CBL</b>	Cable with 25-pin Dsub connectors on both ends, black. male/female, (2M)	300V 80°C	#28AWG	<--->
<b>ZL-RJ12-CBL</b>	Reverse-wired cable with two RJ12 connectors, black. (2M)	300V 80°C	#28 AWG	<--->

Note: Use ZL-DN15TB-CBL cable only for Communication Module DN-15TB; Super VGA cables will not function correctly.

ZL-2CBL2-2P\*



\* Can be used with any brand PLC.

ZL-CBL056L



ZL-DN15TB-CBL



ZL-DN25TB-CBL

