

PLC & PC Control		
DL405 PLC Units		
Product Code	DL405 CPUs	Aust\$
D4-454	DL405 CPU, 31.5k words ladder memory, (1) RS-232 (DB15), (1) RS-232 (RJ12) and (2) RS-232/RS-422 (DB25) port(s), external 120-240 VAC required, battery included. <b>Requires DirectSOFT programming software v6.1 or later</b>	\$1,859
D4-454DC-1	DL405 CPU, 31.5k words ladder memory, (1) RS-232 (DB15), (1) RS-232 (RJ12) and (2) RS-232/RS-422 (DB25) port(s), external 12-24 VDC required, battery included. <b>Requires DirectSOFT programming software v6.1 or later.</b>	\$1,969
F4-CP128-1	Overdrive CoProcessor (tm) module, 128K battery backed RAM, 26Mhz clock, Port 1: RS232C/RS422/RS485 (115.2K baud max.), Port 2: RS232C/RS422/RS485 (57.6K baud max.), Port 3: RS232C (19.2K baud max.) uses unused RTS/CTS lines from Port 1. Commander programming software for Windows included on CD-ROM.	\$890
Product Code	DL405 I/O Bases	Aust\$
D4-04B-1	4-slot local or expansion base; allows specialty modules in expansion bases when used with D4-450 CPU.	\$303
D4-06B-1	6-slot local or expansion base; allows specialty modules in expansion bases when used with D4-450 CPU.	\$363
D4-08B-1	8-slot local or expansion base; allows specialty modules in expansion bases when used with D4-450 CPU.	\$429
Product Code	DL405 DC and AC Input Modules	Aust\$
D4-08NA	8-point 110-220 VAC input module, 2 commons (isolated), removable terminal	\$245
D4-16NA	16-point 110 VAC input module, 2 commons (isolated), removable terminal	\$352
D4-16ND2	16-point 12-24 VDC current sourcing input module, 2 commons (isolated), removable terminal	\$264
D4-64ND2	64-point 20-28 VDC sourcing input module, 8 commons (isolated). Requires two connectors, sold separately. NOTE: Recommended pre-wired ZIPLink connector cable for this I/O Module is part number ZL-D24-CBL40#; where # designates either 0.5, 1, or 2 meter cable lengths. Accessory cable connector module for ZL-D24-CBL40# cable is part number ZL-RTB40 or ZL-LTB32-24. (Or build a custom cable with ZL-D24-CON-R, ZL-D24-CON-X, ZL-D24-CON or ZL-D24-CBL40#P.)	\$638
D4-32ND3-1	32-point 24VDC current sinking/sourcing input module, 4 commons (isolated). Requires one connector, sold separately. NOTE: Recommended pre-wired ZIPLink connector cable for this I/O Module is part number ZL-D24-CBL40#; where # designates either 0.5, 1, or 2 meter cable lengths. Accessory cable connector module for ZL-D24-CBL40# cable is part number ZL-RTB40 or ZL-LTB32-24. (Or build a custom cable with ZL-D24-CON-R, ZL-D24-CON-X, ZL-D24-CON or ZL-D24-CBL40#P.)	\$414
D4-16NE3	16-point 12-24 VAC/DC current sinking/sourcing input module, 2 commons (isolated), removable terminal	\$275
D4-16ND2F	16-point 12-24 VDC current sourcing input module, fast response (1 ms), 2 commons (isolated), removable terminal	\$297
Product Code	DL405 DC and AC Output Modules	Aust\$
D4-08TA	8-point 18-220 VAC output module, 2 commons (isolated), 2A/point, 5A/common, removable terminal	\$449
D4-16TA	16-point 18-220 VAC output module, 2 commons (isolated), 0.5A/point, 3A/common, removable terminal	\$518
D4-08TR	8-point 5-30 VDC or 5-250 VAC output module, 8 Form A (SPST) relays, 2 commons (isolated), 2A/point, 5A/common, removable terminal	\$303
D4-16TR	16-point 5-30 VDC or 5-250 VAC output module, 16 Form A (SPST) relays, 2 commons (isolated), 1A/point, 5A/common, removable terminals.	\$435
D4-16TD1	16-point 5-24 VDC current sinking output module, 2 commons (internally connected), 0.5A/point, 3A/common, removable terminal	\$355
D4-16TD2	16-point 12-24 VDC current sourcing output module, 2 commons (isolated), 0.5A/point, 3A/common, removable terminal	\$355
D4-32TD1	32-point 5-26 VDC current sinking output module, 4 commons (isolated), 0.2A/point, 1.6A/common. Requires one connector, sold separately. NOTE: Recommended pre-wired ZIPLink connector cable for this I/O Module is part number ZL-D24-CBL40#; where # designates either 0.5, 1, or 2 meter cable lengths. Accessory cable connector module for ZL-D24-CBL40# cable is part number ZL-RTB40. (Or build a custom cable with ZL-D24-CON-R, ZL-D24-CON-X, ZL-D24-CON or ZL-D24-CBL40#P.)	\$474
D4-32TD2	32-point 12-24 VDC current sourcing output module, 4 commons (isolated), 0.2A/point, 1A/common. Requires one connector, sold separately. NOTE: Recommended pre-wired ZIPLink connector cable for this I/O Module is part number ZL-D24-CBL40#; where # designates either 0.5, 1, or 2 meter cable lengths. Accessory cable connector module for ZL-D24-CBL40# cable is part number ZL-RTB40. (Or build a custom cable with ZL-D24-CON-R, ZL-D24-CON-X, ZL-D24-CON or ZL-D24-CBL40#P.)	\$468
D4-64TD1	64-point 5-24 VDC current sinking output module, 8 commons (isolated). Requires two connectors, sold separately. NOTE: Recommended pre-wired ZIPLink connector cable for this I/O Module is part number ZL-D24-CBL40#; where # designates either 0.5, 1, or 2 meter cable lengths. Accessory cable connector module for ZL-D24-CBL40# cable is part number ZL-RTB40. (Or build a custom cable with ZL-D24-CON-R, ZL-D24-CON-X, ZL-D24-CON or ZL-D24-CBL40#P.)	\$683
F4-08TRS-1	8-point 12-30 VDC or 12-250 VAC isolated output module, 4 Form A (SPST) and 4 Form C (SPDT) relays, 8 commons (isolated), 10A/point, 40A/module, removable terminal.	\$325
F4-08TRS-2	8-point 12-30 VDC or 12-250 VAC isolated output module, 4 Form A (SPST) relays and 4 Form C (SPDT) relays, 8 commons (isolated), 5A/point, 40A/module, replaceable fuses, removable terminals.	\$385

Product Code	DL405 Analogue Modules	Aust\$
F4-04AD	4-channel analog input module, 12 bit resolution, ranges: 0 - 5V, -5V to +5V, 1 - 5V, 0 -10V, -10V to +10V, 4 - 20 mA, 0 - 20 mA.	\$765
F4-04ADS	4-channel isolated analog input module, 12 bit resolution, ranges: 0 - 5V, 0 - 10V, 1 - 5V, -5V to +5V, -10V to +10V, 0 - 20mA, 4 - 20mA.	\$1,045
F4-08AD	8-channel analog input module, 12 bit resolution, ranges: 4 to 20mA, 1 to 5V, 0 to 20mA, 0 to 5V, 0 to 10V, -5V to +5V, -10V to +10V.	\$869
F4-16AD-1	16-channel analog input module, 12 bit resolution, range: 4 to 20mA.	\$1,056
F4-16AD-2	16-channel analog input module, 12 bit resolution, ranges: 0-5V, 0-10V.	\$1,056
F4-04DA-1	4-channel analog output module, 12 bit resolution, range: 4 to 20mA.	\$627
F4-04DA-2	4-channel analog output module, 12 bit resolution, ranges: 0 to 5V, 0 to 10V, -5V to +5V, -10V to +10V.	\$653
F4-04DAS-1	4-channel analog output module, 16 bit resolution, isolated, range: 4 to 20mA current sourcing.	\$957
F4-08DA-1	8-channel analog output module, 12 bit resolution, range: 4 to 20mA.	\$979
F4-08DA-2	8-channel analog output module, 12 bit resolution, range: 0-5V or 0-10V.	\$998
F4-16DA-1	16-channel analog output module, 12 bit resolution, range: 4 to 20mA.	\$1,145
F4-16DA-2	16-channel analog output module, 12 bit resolution, range: 0-5V or 0-10V.	\$1,288
Product Code	DL405 Temperature Input Modules	Aust\$
F4-08THM	8-channel differential thermocouple module, built-in cold junction compensation, linearization, and burn-out indication. .1°C resolution. Can replace all other THM modules; thermocouple type selection is set by jumpers (supports J, E, K, R, S, T, B, N, C). Also supports 0-5VDC, -5 to +5VDC, 0-156mVDC, -156 to +156mVDC at 16-bit resolution.	\$997
F4-08RTD	8-channel RTD input module, 0.1 degree C resolution, supports: Pt100, jPT100, Cu10, Cu25, and Pt1000.	\$798
Product Code	DL405 Expansion I/O	Aust\$
D4-EX	Local base expansion unit, includes 110/220 VAC power supply, requires local I/O expansion cable D4-EXCBL-1 or D4-EXCBL-2	\$415
D4-EXDC	Local base expansion unit, includes 24 VDC power supply, requires local I/O expansion cable D4-EXCBL-1 or D4-EXCBL-2	\$410
D4-EXCBL-1	Base expansion cable, 3.08 ft. (1m)	\$126
D4-EXCBL-2	Base expansion cable, 1.54 ft. (0.5m)	\$126
Product Code	DL405 Communication Modules	Aust\$
H4-ECOM100	DL405 PLC Systems Ethernet Communications Module, 10/100 Mbit with auto-detect, supports TCP/IP, UDP/IP, IPX & Modbus TCP application layer protocol	\$851
H4-ERM100	Ethernet Remote Master module, for Ethernet remote I/O on a 10/100Base-T network at 10/100 Megabaud. Must be installed in a local base with a D4-430, D4-440 or D4-450 in the CPU slot. Ethernet cable (purchased separately) connects to H2/H4/T1H-EBC(100) modules directly or via Ethernet hub(s).	\$515
H4-EBC	Ethernet Base Controller for DL405 Base, supports discrete and analog I/O only. 10Base-T connections to PC-based controllers supporting IP/IPX protocol.	\$979
D4-DCM	Data Communication Module, master/slave on a Direct NET Network, slave on a Modbus RTU Network, RS232C/RS422 communications, cable not included.	\$840
D4-RM	Serial remote I/O master module, remote I/O system is one master (D4-RM) and up to seven slaves (D4-RS) non-removable terminals, uses shielded twisted pair (24 AWG minimum)	\$979
D4-RS	Serial remote I/O slave unit (used with D4-RM), includes 110/220 VAC power supply, uses shielded twisted pair (24 AWG minimum)	\$1,089
Product Code	DL405 Advanced Modules	Aust\$
H4-CTRIO	DL405 High Speed Counter I/O Module, 8 DC sink/source inputs 9-30VDC, 4 isolated sink/source DC outputs, 5-30VDC, 1A per point. Inputs supported: 2 quadrature encoder counters up to 100kHz, or 4 single channel counters up to 100kHz, and 4 high speed discrete inputs for Reset, Inhibit, or Capture. Outputs supported: 4 independently configurable high speed discrete outputs or 2 channels pulse output control, 20Hz-25kHz per channel, pulse and direction or cw/ccw pulses.	\$854
F4-MAS-MB	Modbus Network Master module, Modbus RTU Protocol, provides block read/write and high speed table driven polling, up to 115,200 baud, cable not included.	\$935
F4-4LTC	4-loop Temperature Controller, 4 independent temperature loops, RTD or thermocouple inputs (jumper selectable) and solid-state relay outputs. Includes (1) F4-CT current transformer.	\$958
F4-8MPI	Magnetic Pulse Input Module, 8-point direct input from magnetic pickups, flow totalization, instantaneous flow rate, indicated volume and gross volume calculations in engineering units. K factor and other parameters stored in non-volatile V-memory.	\$1,085

Product Code	DL405 Spare Parts and Accessories	Aust\$
D3-D4-BAT	DL330/340/DL405 CPU replacement battery	\$89
D4-CPUKEY	Spare Keys for all DL405 CPU & D3-HP/HPP, date code 0338 and newer (quantity 2)	\$33
D4-EE-2	EEPROM cartridge, maximum program storage 15.5K	\$366
D4-FUSE-2	10A spare fuses for F4-08TRS-2 (quantity 5)	\$42
D4-8IOCON	8-point I/O module terminal blocks (quantity 5)	\$105
D4-16IOCON	16-point I/O module terminal blocks (quantity 5)	\$193
D4-IOCVR	I/O module plastic covers (quantity 5)	\$23
D4-FILL	Filler module, used to cover empty base slots	\$45
D4-IOCBL-1	I/O cable for 32 or 64-point modules. Pre-wired D4-IO3264S connector and cable with pigtail, 3m length	\$184
Product Code	DL405 Software & Programming Cables	Aust\$
D4-HPCBL-1	DL405 handheld programmer extension cable, 9.24 ft. (3m)	\$160
D2-DSCBL	12 ft. (3.66m) RS-232 shielded PC programming cable for DirectLOGIC DL05, DL06, DL105, DL205, D3-350 and D4-450 CPUs, Do-more H2 series CPUs, and CLICK CPUs. 9-pin D-shell female connector to an RJ12 6P6C connector.	\$32
D2-DSCBL-1	12 ft. (3.66m) RS-232 shielded PC programming cable for DL06, D2-250(-1), D2-260 CPUs and D0-DCM. 9-pin D-shell female connector to a 15-pin male HD15 connector.	\$51
D3-DSCBL-2	12 ft. (3.66m) RS-232 shielded PC programming cable for the D3-330 and D3-330P CPUs. An RS232 Data Communications Unit is also required to use this cable. 9-pin D-shell female connector to a 25-pin D-shell male connector. Can also be used to connect to the bottom port of a DL405 or D3-350 CPU, or to DL205/DL305/DL405 DCM modules.	\$52
D4-DSCBL	12 ft. (3.66m) RS-232 shielded PC programming cable for the 15-pin port on the DL405 CPUs. 9-pin D-shell female connector to a 15-pin D-shell male connector. For programming over the DL405 25-pin port, use D3-DSCBL-2.	\$52
DA-DSCBL	Single kit containing 1 each of: D2-DSCBL, D3-DSCBL-1, D3-DSCBL-2, D4-DSCBL. Saves over the price of cables purchased separately.	\$219
EA-MG-PGM-CBL	6 ft. PC programming cable assembly for C-more micro EA1 series STN panels, CLICK CPUs, DoMore H2 series CPUs, and DirectLogic CPUs with RJ12 programming ports. Assembly includes (1) standard USB A-type connector to B-type connector cable, (1) custom converter, and (1) RS-232C cable with RJ12 modular connector on each end (also sold separately as DV-1000CBL.) (Note: This cable assembly uses the PC's USB port and converts the signals to serial transmissions. The USB port supplies 5 VDC to the Micro-Graphic panel for configuration operations).	\$109
PC-DSOFT6	DirectSOFT 6, Version 6.0 or higher, Windows PC programming and documentation software, programs DL05/06/105/205/305/405 systems. Package includes software CD and manual. Programming cable sold separately.	\$782
PC-DS100	DirectSOFT Windows limited programming and documentation software. <b>Free download only.</b> For use with all DirectLOGIC PLCs.	<b>Free Download</b>
PC-R60-U	DirectSOFT upgrade, Rel 6.0. Allows you to upgrade from a previously purchased DirectSOFT 16 or 32-bit software version. Package includes software CD and manual. Not compatible with any free versions of software. Proof of existing purchased license required. Programming cable sold separately.	\$552
Product Code	ZIPLinks Connector Cables - DL405	Aust\$
ZL-D4-CBL20	ZIPLink cable used to connect DirectLOGIC 405 PLC I/O modules with 20 terminals to a ZL-RTB20, ZL-RFU20, or ZL-LTB16-24 module with a 24-pin connector, 24 AWG, 0.5 meter (1.6 ft.) length	\$55
ZL-D4-CBL20-1P	ZIPLink PLC cable, allows DirectLOGIC 405 PLC I/O modules with 20 terminals to custom wire to 3rd party devices, 24AWG, 1.0 meter (3.3 ft.) length	\$53