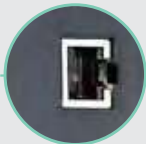




DVP20ES2...



Top entry Ethernet port

new



DVP20ES200TE



DVP16XP2...



DVP24XN...

ES2 series PLCs are compact highly efficient, functional instruments with incorporated communication capabilities, advantages such as built-in convenient commands offer easy access to operation and communication function monitoring.

Common characteristics

- 32-bit CPU for high-speed processing
- Built-in 1 x RS-232 and 2 x RS-485 ports
- Max. execution speed of basic instructions: 0.35 μs
- Program capacity: 16 k steps / Data register: 10 k words
- Standard - 16 / 20 / 24 / 32 / 40 / 60 / 80 I/O points for a variety of applications
- Highly efficient processing ability: 1 k steps of programming can be completed within 1ms
- Up to 4 levels of password protection secures your source programs and intellectual property
- **E-** Ethernet CPUs have an additional Ethernet port. Supports Modbus TCP/IP & Ethernet/IP (*adapter mode*)
- Max. 100 kHz pulse control, specific motion control instructions (*mark/masking and instant frequency changing*) for multi-axis applications

type	supply	inputs (DI)	outputs (DO)	width (mm)	description	output type
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ES2 series - Standard PLC

Relay output

DVP20ES200RE*	100 - 240 VAC	12	8	125	standard PLC	relay
DVP32ES200RE*	100 - 240 VAC	16	16	165	standard PLC	relay
DVP32ES200RC*	100 - 240 VAC	16	16	145	standard PLC	relay
DVP40ES200RE*	100 - 240 VAC	24	16	194	standard PLC	relay
DVP60ES200RE*	100 - 240 VAC	36	24	255	standard PLC	relay

Transistor output

DVP20ES200TE*	100 - 240 VAC	12	8	125	standard PLC	transist (NPN)
DVP32ES200TE*	100 - 240 VAC	16	16	165	standard PLC	transist (NPN)
DVP32ES200TC*	100 - 240 VAC	16	16	145	standard PLC	transist (NPN)
DVP40ES200TE*	100 - 240 VAC	24	16	194	standard PLC	transist (NPN)
DVP60ES200TE*	100 - 240 VAC	36	24	255	standard PLC	transist (NPN)

* Last digit "E" with built-in Ethernet interface / "C" with built-in CANopen interface

EX2 series - Analog I/O PLC

- Built-in 12-bit 4 x analog inputs / 2 x analog output and 14-bit analog I/O extension modules
- Built-in PID auto tuning function, offering a complete analog control solution

DVP20EX200R	100 - 240 VAC	digital I	analog I	digital O	analog O	relay
DVP20EX200T	100 - 240 VAC	8	4	6	2	transist (NPN)

I/O extension modules for ES2/EX2 series

- Plugs directly into PLC - 24 VDC - supply derived from MPU (*limited to 12W*)

Digital input/output modules

DVP08XM211N	24 VDC	8	-	expansion module	-
DVP16XM211N	24 VDC	16	-	expansion module	-
DVP08XN211R	24 VDC	-	8	expansion module	relay
DVP16XN211R	24 VDC	-	16	expansion module	relay
DVP08XP211R	24 VDC	4	4	expansion module	relay
DVP16XP211R	24 VDC	8	8	expansion module	relay
DVP08XN211T	24 VDC	-	8	expansion module	transist (NPN)
DVP16XN211T	24 VDC	-	16	expansion module	transist (NPN)
DVP08XP211T	24 VDC	4	4	expansion module	transist (NPN)
DVP16XP211T	24 VDC	8	8	expansion module	transist (NPN)

I/O 24/32 point modules for ES2/EX2 series - 230 VAC power supply required

- Incorporates 24 VDC output supply 100mA (2.4W) for other modules

DVP24XN200R	100 - 240 VAC	-	24	expansion module	relay
DVP24XP200R	100 - 240 VAC	16	8	expansion module	relay
DVP32XP200R	100 - 240 VAC	16	16	expansion module	relay
DVP24XN200T	100 - 240 VAC	-	24	expansion module	transist (NPN)
DVP24XP200T	100 - 240 VAC	16	8	expansion module	transist (NPN)
DVP32XP200T	100 - 240 VAC	16	16	expansion module	transist (NPN)



DVP04AD-E2



DVP04PT-E2



DVP16EC00R3



DVPCC01



DELTA-SW

Analog I/O extension modules for ES2/EX2 series

- Plugs directly into PLC - 24 VDC - supply derived from MPU (*limited to 12W*)

type	supply	inputs (AI)	outputs (AO)	description	output type
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Analog extension modules for ES2/EX2 series

- Analog Input: Voltage ($\pm 10V, \pm 5V$) / current ($\pm 20mA, 0 - 20mA, 4 - 20mA$) input
- Analog Output: Voltage ($\pm 10V$) / current ($0 - 20mA, 4 - 20mA$) output
- Resolution: 14-bit

		analog inputs	analog outputs		
DVP04AD-E2	24 VDC	4	—	expansion modules	analog/inputs
DVP02DA-E2	24 VDC	—	2	expansion modules	analog/outputs
DVP04DA-E2	24 VDC	—	4	expansion modules	analog/outputs
DVP06XA-E2	24 VDC	4	2	expansion modules	analog I/O

Temperature measurement modules for ES2/EX2

type	supply	description
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RTD (Pt100, Pt1000, Ni100, Ni1000) sensor input / 0 - 300Ω resistance input

- Resolution: 16-bit
- Built-in PID temperature control

DVP04PT-E2	24 VDC	4 points resistance (Pt100, Pt1000, Ni 100/1000)
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Thermocouple (J, K, R, S, T, E, N type) sensor input/-80mV - +80V voltage input

- Resolution: 16-bit
- Built-in PID temperature control

DVP04TC-E2	24 VDC	4 points of thermocouple (J, K, R, S, T, N type)
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DVP-EC3 series - Econo PLC 100 - 240 VAC

DVP-EC3 series is the most economical solution for sequential control and communication monitoring for smaller applications with simple RS-485/MODBUS communication.

- Program capacity: 4k steps
- High-speed pulse output: Max. 11kHz pulse output
- Mounting: DIN-rail or chassis mounting
- Built-in high-speed counters: 2 x 20/10kHz, 1 x 20kHz, 1 x 4kHz
- MPU I/O points: 10/16/24/32/40 points (*not expandable*)
- COM ports: Built-in RS-232 & RS-485 (*only for 16/24/32/40 points*)
- Compact: (H) 90 x (D) 45.5 mm (W) number of. I/O point dependant

type	supply	inputs (DI)	outputs (DO)	description	output type
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DVP-EC3 - Economic series PLC

DVP10EC00R3	100 - 240 VAC	6	4	standard econo PLC	relay
DVP16EC00R3	100 - 240 VAC	8	8	standard econo PLC	relay
DVP24EC00R3	100 - 240 VAC	12	8	standard econo PLC	relay
DVP32EC00R3	100 - 240 VAC	16	16	standard econo PLC	relay
DVP40EC00R3	100 - 240 VAC	24	16	standard econo PLC	relay

Accessories for DVP-ES2/EX2/EC PLC's

- DVPCC01 program-data backup memory card for all DVP series (64k words)
- UC-PRG020-12A mini-DIN USB (type-A) programming cable PLC to PC 2 met
- UC-MS030-01A male mini-DIN female DB9 programming cable PLC to HMI 3 met
- DVPAEXT01-E2 connection kit with cable for DVP-ES2 / EX2 and exp. modules 0.7 met
- UC-PRG030-10A RS-232 program cable for above DVPAEXT01-E2
- DELTA-SW PLC editing software for AH500 and DVP series (USB)
supports 5 programming languages: (LD, FBD, SFC, ST, IL)
Programming software for DVP-PLC (*freely downloadable via internet*)

