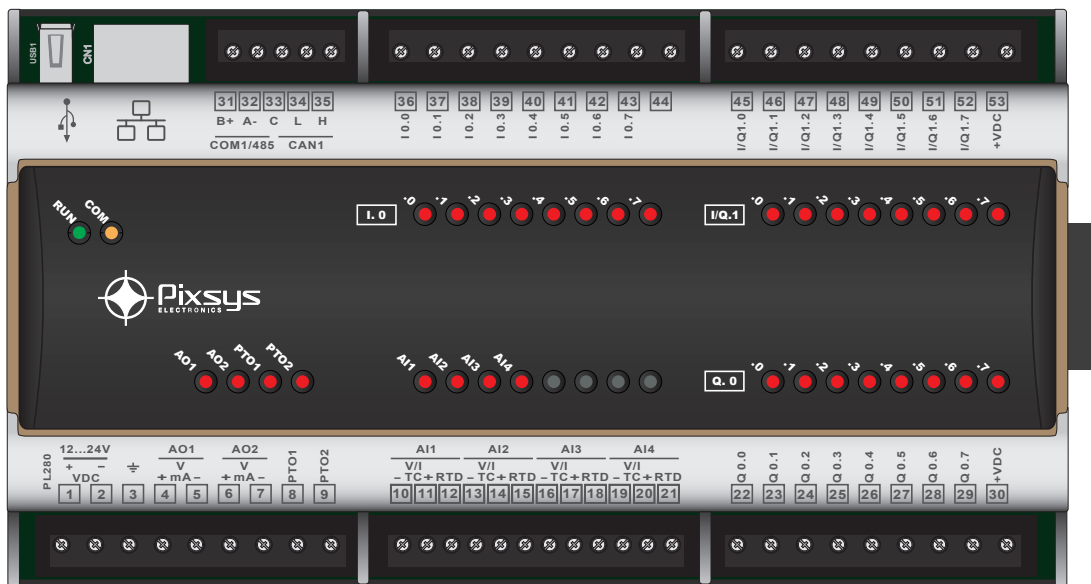


PL280

Compact PLC with integrated I/Os



Programming software LogicLab IEC61131-3 compliant

Fieldbuses:

- Modbus RTU
- Modbus TCP
- CAN Open
- PLE-DIN-BUS (real time) on DIN RAIL

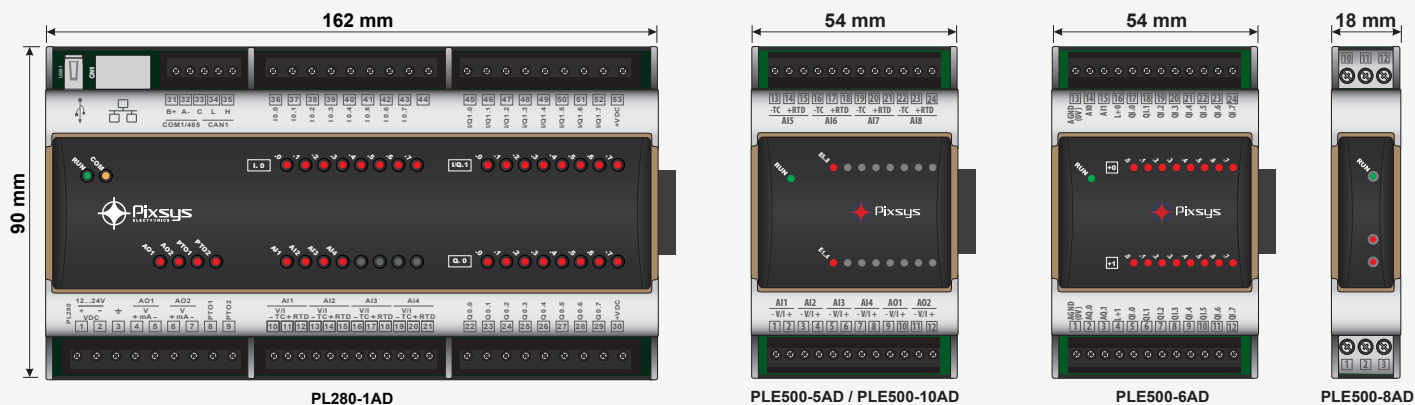
PID autotuning algorithm dedicated to process control

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MAIN FEATURES

BOX	DIN43880 – 9x mod – 162x90x64 Noryl VO
POWER SUPPLY	12..24 V DC +/- 15% - approximately 5W consumption
OPERATING CONDITIONS	Temperature 0-45 °C, humidity 35..95 RH%
SEALING	IP20 (box and terminal blocks)
TERMINAL BLOCKS	Extractable
SOFTWARE TOOL	LogicLab, 5 programming languages: Instruction list, Structured text, Function blocks diagram, Ladder diagram, Sequential Function chart (IEC61131-1)

PL280 TECHNICAL DATA

PROCESSOR / MEMORY	ARM Cortex H7 480 MHz / Flash 2Mb / RAM 1 MB
EXPANSION BUS	PLE-DIN-BUS (real time) on DIN RAIL
FIELD BUS	RS485 (Modbus RTU Master/Slave), CANopen (Master)
ETHERNET	1 port 10/100 Base-T on RJ45 connector (Modbus TCP master/slave)
USB	1 port for PLC logic files update

PL280 INTEGRATED I/O

DIGITAL INPUT	8 PNP + 8 selectable
DIGITAL OUTPUT	8 PNP + 8 selectable
ENCODER INPUT	4x (Res. 32 bit, 50 KHz) Push Pull
ANALOGUE INPUT	4x TC type K,S,R,J, PT100, PT500, PT1000, Ni100, PTC1K, NTC10K, (β 3435K), potentiometer 6 KΩ, 150 KΩ (50000 pts) 0..60 mV (16000 pts), 4x 0..10 V (54000 pts), 0/4..20mA (40000 pts)
ANALOGUE OUTPUT	2x 0..10V / 4..20 mA
PTO - PULSE TRAIN OUTPUTS	2x 100 KHz

PLE500 TECHNICAL DATA

	PLE500-6AD	PLE500-5AD	PLE500-8AD	PLE500-10AD
BUS PROTOCOL	PLE-DIN-BUS (real time) on DIN RAIL			
DIGITAL INPUT	16 PNP (selectable)	○	○	○
DIGITAL OUTPUT	16 PNP (selectable)	○	2 PNP	○
ENCODER INPUT	4x (Res. 32 bit, 50 KHz) Push Pull	○	○	○
ANALOGUE INPUT	2x (Res.16 bit 40000 pts) 4..20mA/0..10V	4x TC type K,S,R,J, PT100, PT500, PT1000, Ni100, PTC1K, NTC10K, (β 3435K), potentiometer 6 KΩ, 150 KΩ (50000 pts) 0..60 mV (16000 pts), 4x 0..10 V (54000 pts), 0/4..20mA (40000 pts)	1x (Res. 16 bit) selectable: TC type K,S,R,J, PT100, PT500, PT1000, Ni100, PTC1K, NTC10K, (β 3435K), 0..10 V (54000 pts), 0/4..20mA (40000 pts), 0..60 mV (16000 pts), potentiometer 6 KΩ, 150 KΩ (50000 pts)	4x 0..10 V (54000 pts), 0/4..20mA (40000 pts)
ANALOGUE OUTPUT	RS485	RS485	RS485	RS485
C.T. INPUT	○	○	50 mA – 20 ms. – 4096 pts	○

ORDERING CODES

PL280-1AD	PLC DIN Rail 1 Ethernet, 1 RS485, 1 CANopen, 1 PLE-DIN-BUS, 4 Analog inputs, 2 Analog outputs, 24 Digital I/O, 2 Pulse train outputs
PLE500-5AD	PLC Expansion 4 Analogue Inputs RTD/TC, 4 Analogue Inputs 4..20mA 0..10V, 2 Analogue Outputs
PLE500-6AD	PLC Expansion 16 Digital Inputs/Outputs, 2 Analogue Inputs, 2 Analogue Outputs
PLE500-8AD	PLC Expansion 1 Analogue Input, 2 Digital Outputs, 1 Analogue Output
PLE500-10AD	PLC Expansion 4 Analogue Inputs 4..20mA 0..10V, 2 Analogue Outputs