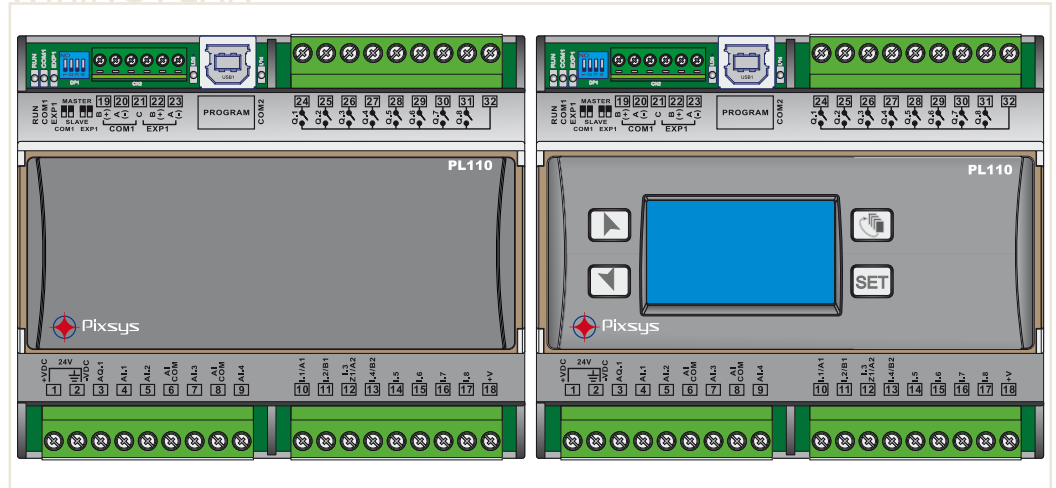


## WIRING PLAN



# PL110

## PLC 8+4 Inp. / 8+1 Out

### Main features

Box	Standard DIN43880 108 x 90 x 64 (H) mm, Mounting clips DIN RAIL EN50022
Power supply	2 4Vac/Vdc $\pm 15\%$ 50/60 Hz
Consumption	6W
Operating conditions	Temperature 0-45 °C, humidity 5..95 RH%
Material	Noryl V0
Weight	ca.250 g
Sealing	IP20 Box
Terminal blocks	Extractable

### Inputs

Analogue	AI 1 0/4..20mA (1024 points); AI 2 0..10Volt (1024 points); AI 3 NTC-10K (-40..+125°C accuracy 0,5°C) + AI 4 NTC-10K (-40..+125°C accuracy 0,5°C), AI 3 and AI 4 Potentiometer (10K)
Digital	8 PNP
Encoder inputs	2 Encoder bidirectional (overlapped to 4 PNP inp.) 15 KHz / or 25KHz for single Encoder

### Outputs

Relays	8 Out 2A/250Vac/30Vdc resistive load ( $\cos\varphi=1$ ) or 1A/250Vac/30Vdc inductive load ( $\cos\varphi=0,4$ ) 6A max total current (Q1..Q8)
Analogue	1 0..10Volt (8 bit/256 points)
Programming port	1 USB type B Serial port, 2 RS485 on extractable terminal block (max. 57600 Baud) galvanically isolated from power supply and inputs (not between themselves)

### Software features

Programming	Software Pixsys PLprog, Ladder diagrams; 128 markers (logic relays), 32 bistables, 64 timers 16 bit, 16 up-down counters, mathematical and logic functions, range - rescale, bit contacts, 2 timed interrupts (min. 1 ms)
Scanning cycle	min. 2 ms
Communication protocols	Modbus RTU Master/Slave; free-port for Modem or proprietary devices
Memory	64Kbyte Flash for programming, 350 words Ram retentive (accumulator, 6 months), 1000 words EEprom, internal MMC 13000 words data storage
Clock	Real-Time clock, Back-up battery
Control algorithms for analogue inputs	P, PI, PID, PD

### Ordering codes

PL110-1A	PLC 2 An.Inp. NTC-10K / Potentiometer + 1 0..10Volt (10Bit) + 1 0/4..20mA (10Bit)+ 8 Inp. PNP + 8 relay Out 2A + 1 Out 0..10 Volt (8 bit)
PL110-2A	PLC 2 An.Inp. NTC-10K / Potentiometer + 1 0..10Volt (10Bit) + 1 0/4..20mA (10Bit)+ 8 Inp. PNP + 8 relay Out 2A + 1 Out 0..10 Volt (8 bit) with optional graphic OLED display
2100.30.010	M.c.Upgrade Series PL250-PL260-PL300-EPL101-PL110