

# PLC Controller

## ELP12R12-II

### 1. Technical data



- Supply voltage: 24 V AC/DC +/- 10%
- Temperature sensor inbuild
- Communication link: 2 x RS 485
- mini USB connector
- Protocol BACnet MS/TP, Modbus RTU
- Alarm and communication signalling
- Built-in RTC clock and calendar
- Built-in display
- Storage temperature : -20 ... 70 °C
- Working temperature: -20....50°C
- Dimensions: 100 x 118 x 31 mm
- IP protection: 30

## 2. Resources

### Digital Inputs:

- 3 inputs triggered signal 24V AC/DC

### Temperature Inputs:

- 2 PT1000 temperature inputs with built-in PTC protection
  - Sensor's current: 1 mA
  - Minimum load resistance: 0 Ohm
  - The frequency of measurement: 2,5ms
  - The measuring range: -50..170°C
  - Accuracy: +/- 0,2°C
  - Resolution: 8 bits / °C

### Analog Outputs:

- 2 0-10V analog outputs with built-in PTC protection
  - Nominal output voltage: 0 - 10 VDC
  - Maximum output: 20 mA
  - Maximum load impedance: 500 Ohm
  - Resolution: 8 bits / V

### Relay Outputs:

- 3 relay outputs with common contact NO, AC1 5A
- 2 relay outputs with separate contacts NO, AC1 5A

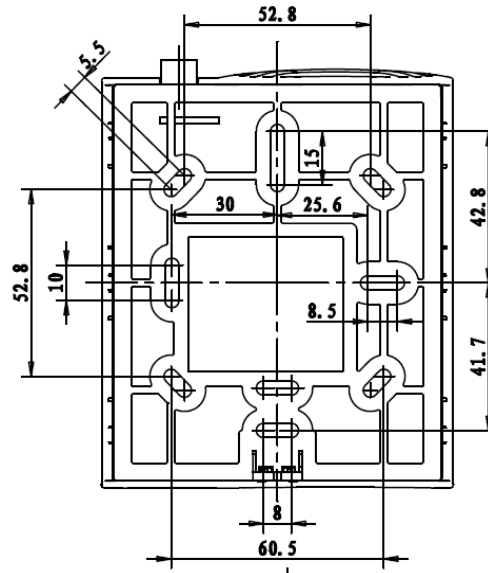
### Communication Links:

- RS1 – RS485 MASTER
- RS2 – RS485 SLAVE

All RS-485 communication interfaces are overvoltage and overload PTC protected.

Possible work with Modbus RTU, and BACnet MS/TP protocols.

### 3. Wall mounting



### 4. Connection scheme

