



# KET-PLC-200

## Applications

- Monitoring consumption
- Building management system
- Data centres and racks

## ModBUS Logic Controller

- PLC for X-Monitor networks
- Digital and analogue I/O
- RS485 ModBUS master or slave
- DIN rail mounting

The **KET-PLC-200** suitable for the management of domotics scenarios and for **refrigeration** and **air conditioning** applications.

It has a considerable number of inputs and outputs that allow for a flexible, modular and expandable network of control devices.

The KET-PLC-200 has **two RS485 communication ports**, ModBUS master or slave, which allow it to be integrated with the other devices of the X-Monitor network.

The installation is foreseen on DIN rail, in a control panel.

## Technical Features

General specifications	<b>Protection range:</b> front: ip40; screw terminals: ip20 <b>Operative temperature:</b> -10 ÷ +60 °c <b>Storage temperature:</b> <b>Relative humidity:</b> max 95% not condensing
Case	<b>Dimensions:</b> 71 x 135 x 60 mm (w x h x d) <b>Mounting:</b> din-rail <b>Required din modules:</b> 4 din modules <b>Electric board type:</b> industrial or switchboard <b>Material:</b> self extinguishing: ul 94 v-o
Power supply	<b>Supply voltage:</b> 24 vac (50-60 hz), 35 va max or 20 ÷ 30 vdc <b>Consumption:</b> < 12 w <b>Connectors types:</b> removable terminals
Ups	<b>Battery type:</b> supercap for internal clock function maintenance <b>Approximate battery life:</b> keep watch data in the event of power failure for 3 days when the battery is fully charged
Datalogger function	<b>Memory type:</b> flash 256 kb; ram 4 kb <b>Data storage capacity:</b>
Rs485 interface	<b>Supported protocols:</b> master or slave modbus rtu <b>Communication rate:</b> 100 kbit/s <b>Isolation:</b> non optoisolated <b>Connectors types:</b> removable terminals
Digital inputs	<b>Channels:</b> <b>Digital inputs:</b> 9 optoisolates at 24 vac / dc of which 2 up to 2 khz and 7 at 50-60 hz
Analog inputs	<b>Channels:</b> <b>Analog inputs:</b> 9 of which 6 for probes ptc / ntc / pt 1000 / transducers 0-20 ma / 4-20 ma / 0-5 v ratiometric / 0-10 v and 3 for probes ptc / ntc / pt 1000 <b>Precision:</b> <b>Resolution:</b> 0.1 °c for probes ptc / ntc / pt 1000; 0.01 ma for transducers 0-20 ma / 4-20 ma ; 0.01 v for transducers 0-10 v
Analog outputs	<b>Output type:</b> 6 non-optically isolated outputs: 2 of type pwm / 0-10 v; 2 of type 0-20 ma / 4-20 ma / 0-10 v; 2 of type 0-10 v
Relé' outputs	<b>Channels:</b> 7 of type spst and 2 of type spdt <b>Voltage output:</b> 250 vac <b>Maximum rated current:</b> 3 a <b>Isolation:</b> non optoisolated
Certifications	<b>Referends standard:</b> <b>Approvals:</b> ce <b>Security:</b> <b>Metrology:</b>

