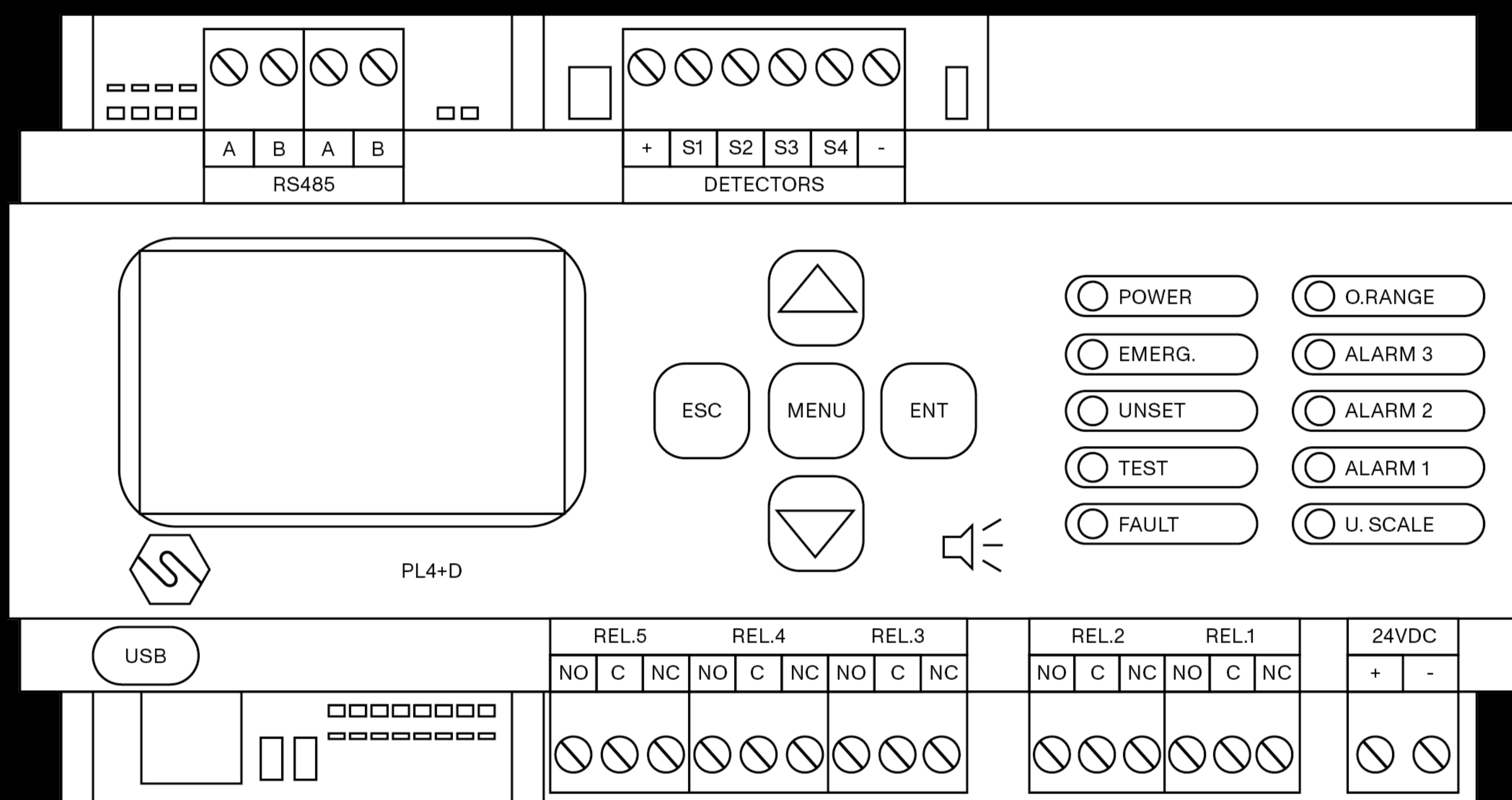
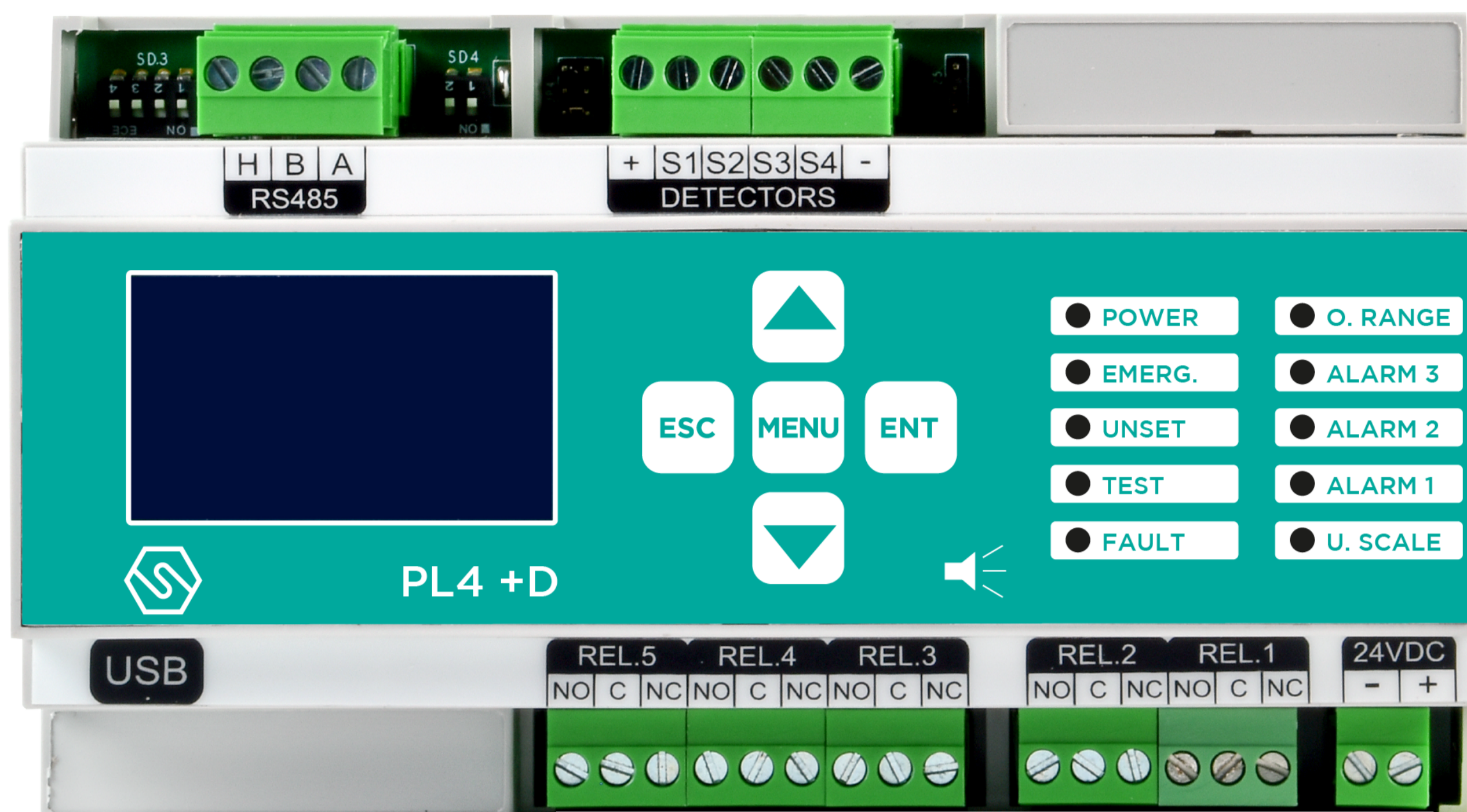


PL4+D



Datasheet






PL4+D, for DIN-rail mounting, is an innovative gas control unit, ideal for small plants up to 12 detectors.

It allows to monitor 4 gas detectors connected directly to the control panel (4-20 mA) and additional 8 detectors via remote 8-input cards STG/IN8S. Every input can be configured for a different kind of gas in order to detect both flammable and toxic compounds, refrigerant gases as well as Oxygen depletion and enrichment.

The panel can manage 5 output relays aboard the panel and additional 32 via STG/OUT16S+STG/8REL.

The backlit LCD display assures a precise indication of the gas concentration being measured and the alarm set points. Mode status LED's provide a visual indication for alarm levels, fault and power-on. An internal buzzer is provided for an audible alarm in case of alarm or fault.

PL4+D is SIL1 and it is ATEX marked as follows:

CE 0722  II (2) G [Ex Gb] II



Electrical data

| | |
|------------------------|---|
| Power supply | 12 -24 Vdc |
| Inputs | 4 analogue 4-20mA inputs, up to 12 by using the optional modules: IN4-OUT4: addition of 4 analogue inputs IN8S: addition of 8 analogue inputs |
| Outputs | 5 relays: 1 associated to fault, 4 programmable Up to further 32 outputs can be added: IN4-OUT4: addition of 4 relays OUT16: addition of 16 O/C outputs (convertible into relays with the 8REL module) |
| Serial ports | 1 x RS485 for field installation 1 x USB for programming, supervision and firmware updating |
| Communication protocol | Galileo or Modbus |
| Absorption | 100 mA at 24 Vdc (without connected loads) |
| Relays contact ratings | 10A at 250V relays of panel board 16A at 250V relays of IN4-OUT4 module and 8REL module |

Functionalities

| | |
|-----------------------|--|
| Programming | Configuration with Sensitron software |
| Operating levels | 3, with numerical password customizable |
| Set / Unset detectors | Possibility of unset one or more channels for field maintenance |
| Test | Possibility of channels test field |
| Supervision | Efficient Modbus protocol for system supervision |
| Event log | The event log can be visualised from the gas panel or by the software |
| Date and time | Internal clock with backup to keep the date and time even after a shutdown |
| Visual indications | LCD display 4rows x 16columns 10 status LEDs |
| Acoustic indications | Buzzer 60 dB at 1m |
| Front panel buttons | Keypad with 4 shift buttons and ENTER button |

Environmental conditions

| | |
|-----------------------|----------------------------|
| Storage temperature | -20 / +60°C |
| Operating temperature | 0 / +50°C |
| Operating humidity | 15 / 85% RH non condensing |

Box

| | |
|------------|--|
| Material | ABS |
| Dimensions | 9 DIN module (158.5 x 90.0 x 60.0 mm) |
| Weight | 400 g |
| IP Grade | - |



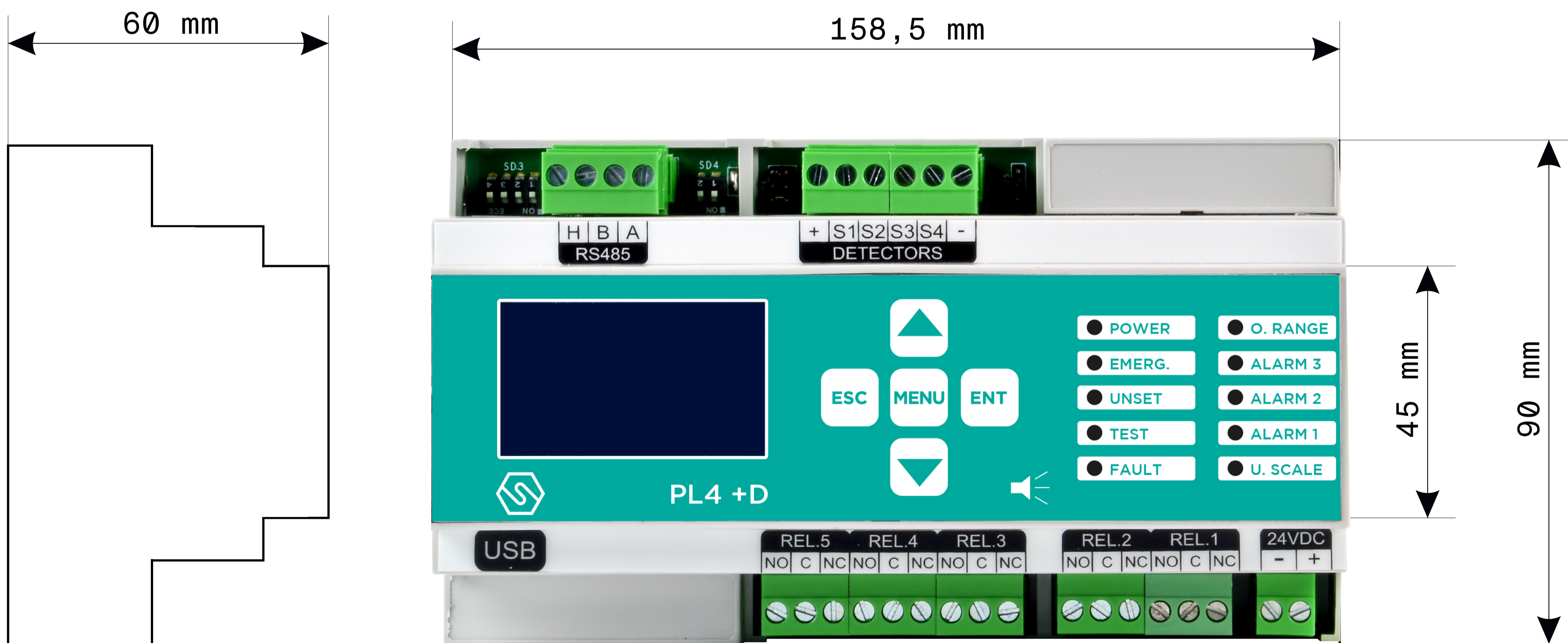
Compliance

| | |
|------|--|
| EMC | EN 61000-6-3:2007 + A1:2011; EN 50270:2015 |
| ATEX | ATEX Directive 2014/34/UE EN IEC 60079-0:2018 EN 60079-29-1:2016 |

Product codes

| | |
|-----------------|---|
| STPL4+D | PL4+D gas panel |
| STG/MTSS1-CONF | Software for PC programming |
| STG/IN4-OUT4-S1 | Remote module with 4 analogue inputs and 4 relays |
| STG/IN8S | Remote module with 8 analogue inputs |
| STG/OUT16S | Remote module with 16 O/C outputs |
| STG/8REL | 8 relays board to be connected to STG/OUT16 |
| AL09 | 24 Vdc power supply |
| STG/IPBOX | IP65 ABS box |

Mechanical drawings



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