



Electronic monitoring relays PMDsigma

pilz

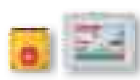
True power monitoring (single or three-phase)

Simple monitoring of electrical safety.

the spirit of safety

► Business activities

Excellent Components

Sensor technology	► Safety switches ► Secure safety gate systems ► Optoelectronic protective devices ► Safe camera systems	
Control and communication	► Electronic monitoring relays ► Safety relays ► Programmable safety and control systems ► Industrial communication	
Motion Control	► Control systems ► Servo amplifiers ► Motors	
Operating and monitoring	► Control and signal devices ► Operator terminals	
Software	► System software ► User software ► Software tools	

Professional Services

Consulting and engineering	► Risk assessment ► Safety concept ► Safety design ► System implementation ► Safety validation ► CE services ► International compliance services ► Plant assessment ► Inspection of ESPE	
Training	► Seminars ► Courses	

A yellow triangle icon pointing to the right, located to the left of the "Support" heading.

Support

Technical help round the clock!

Technical support is available from Pilz round the clock. This service is provided free of charge beyond standard business hours.

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Electrical safety with PMDsigma – Simpler than



Electronic monitoring relays PMDsigma

PMDsigma is the new generation of electronic monitoring relays. You can reduce the number of hazardous situations for man and machine and increase the service life of plant and machinery. Save costs and guarantee an efficient production cycle.

On electronic monitoring relays, electrical safety is the focus. Voltage, current, temperature, phase sequence or similar variables are monitored, for example. The first unit in the PMDsigma product range monitors true power, more simply than ever before.

Applications

Using the measured true power, it is possible to derive variables such as fill level, volume, torque or air pressure, for example. The following applications provide some examples of the areas in which they might be used:

- ▶ Contamination on sieves or filters on ventilation systems
- ▶ To check for dry running or pump blockage
- ▶ Viscosity of fluids on mixers
- ▶ Wear and tear on tools
- ▶ To control the brush pressure on car washes
- ▶ To monitor conveyors for blockages or wear and tear

Your benefits at a glance

- ▶ For universal use: only one unit to stock
- ▶ Quick and easy settings, just turn and click, so set-up and commissioning times are short
- ▶ Error-proof: menu-driven configuration
- ▶ Ideal when exchanging units: configuration is stored on the chip card
- ▶ Simple diagnostics via the display mean minimum downtimes
- ▶ Approved for applications worldwide

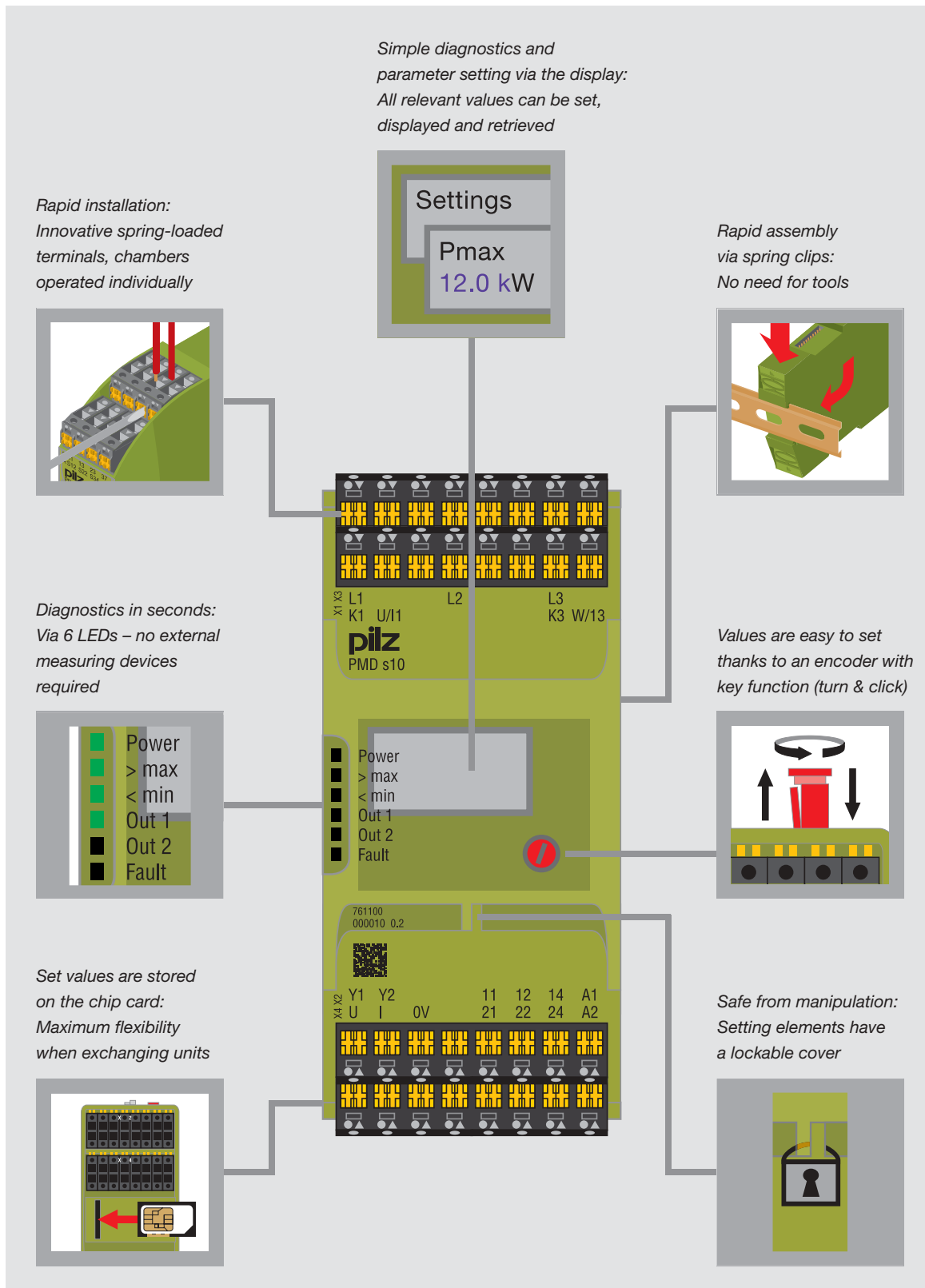
Technical details – PMDsigma



PMD s10

Type	Features
PMD s10 Monitors and converts true power for single/three-phase AC/DC supplies, relay and analogue outputs, monitors overload and underload Order number: ▶ Cage clamp terminals PMD s10C 761 100 ▶ Plug-in screw terminals PMD s10 760 100	▶ Measuring range set automatically ▶ Thresholds infinitely variable ▶ Function parameter settings are menu-driven (via display and encoder with key function) ▶ Analogue outputs for current and voltage. Current output log convertible from 0 ... 20 mA to 4 ... 20 mA ▶ Relay outputs for monitoring underload and overload ▶ Suitable for use with frequency-controlled motors and current transformers ▶ Supply voltage: 24 ... 240 V AC/DC ▶ Output contacts: 2 auxiliary contacts (C/O) ▶ Measuring voltage 3AC: 100 ... 550 V ▶ Measuring voltage 1AC: 60 ... 320 V ▶ Measuring current: 1 ... 12 A ▶ Dimensions (H x W x D): 98 x 45 x 120 mm

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Keep up-to-date
on PMDsigma:

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