computer SMART III

Power factor relay





Beyond compensation











Compensation







Compensation

Measurement







Compensation

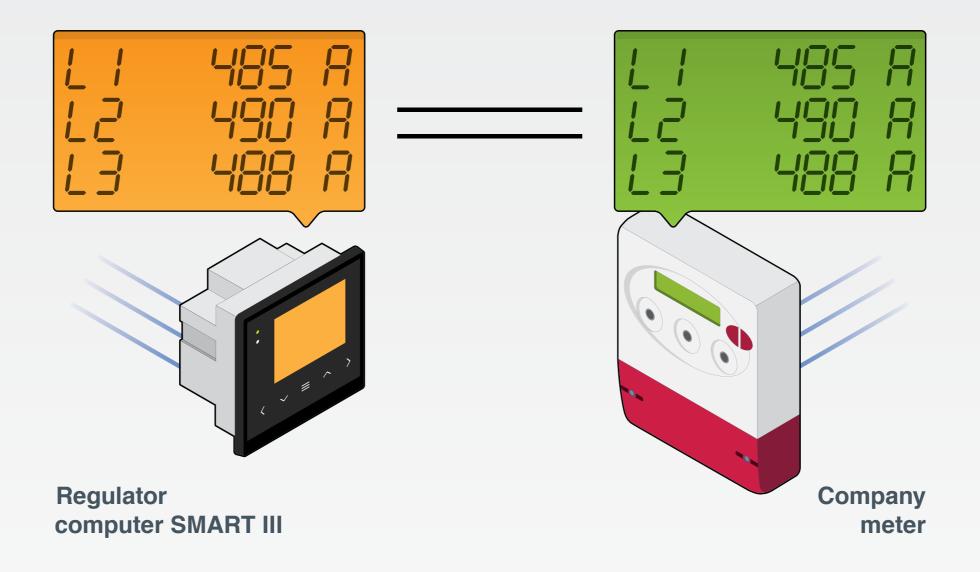
Measurement

Protection



Advanced compensation

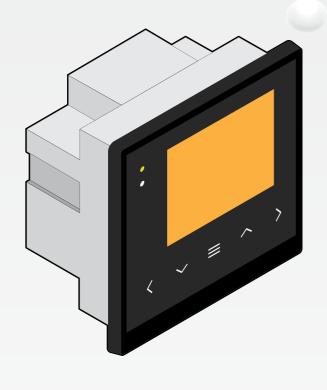
Measurement of the 3 phases is equivalent to the reading of the company's meter.





Future vision

The possibility of changing from 1 to 3 transformers makes it possible to adapt to the requirements of any installation without the need to replace the regulator.



Changing from 1 to 3 transformers in the following cases:

- Changes in reactive energy penalties.
- Changes in consumption habits.
- Significant unbalances in the system.

Measurement methods





Measurement

Powerful three-phase power analyzer



Over 150 variables.





Safety and Protection

Residual current supervision

Service continuity of the capacitor bank, only disconnecting those steps where leakages are detected.

Overtemperature protection

Internal temperature probe. Output relay dedicated to independently activate the fan.

Antiresonance protection

Antiresonance self-protection system that protects against the presence of harmonics.





Setup

PLUG & PLAY

The setup is fully automatic by simply pushing a key.

Communication

RS-485 output with MODBUS protocol

The communications system allows remote control, supervision and preventive maintenance of both the unit and the installation.





Flexibility

Up to 4 independent objective cosφ

Capacity to adjust and activate 4 independent objective $\cos \varphi$ with digital inputs.

ON/OFF/AUTO Status, per step

The ON function does not affect the measurement of regulated steps, saving time and money for the installation.

Operation meter and alarm

Operation and maintenance alert meter.





Simplification of fixed compensation operations

The ON/OFF/AUTO configuration

- Can select a step for the fixed compensation of the power transformer.
- Saves the installation of a fixed independent group





Supermarkets

Warns of compensation problems in the capacitor bank with alarms, preventing penalties in the electricity bill.









Energy efficiency technology





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