

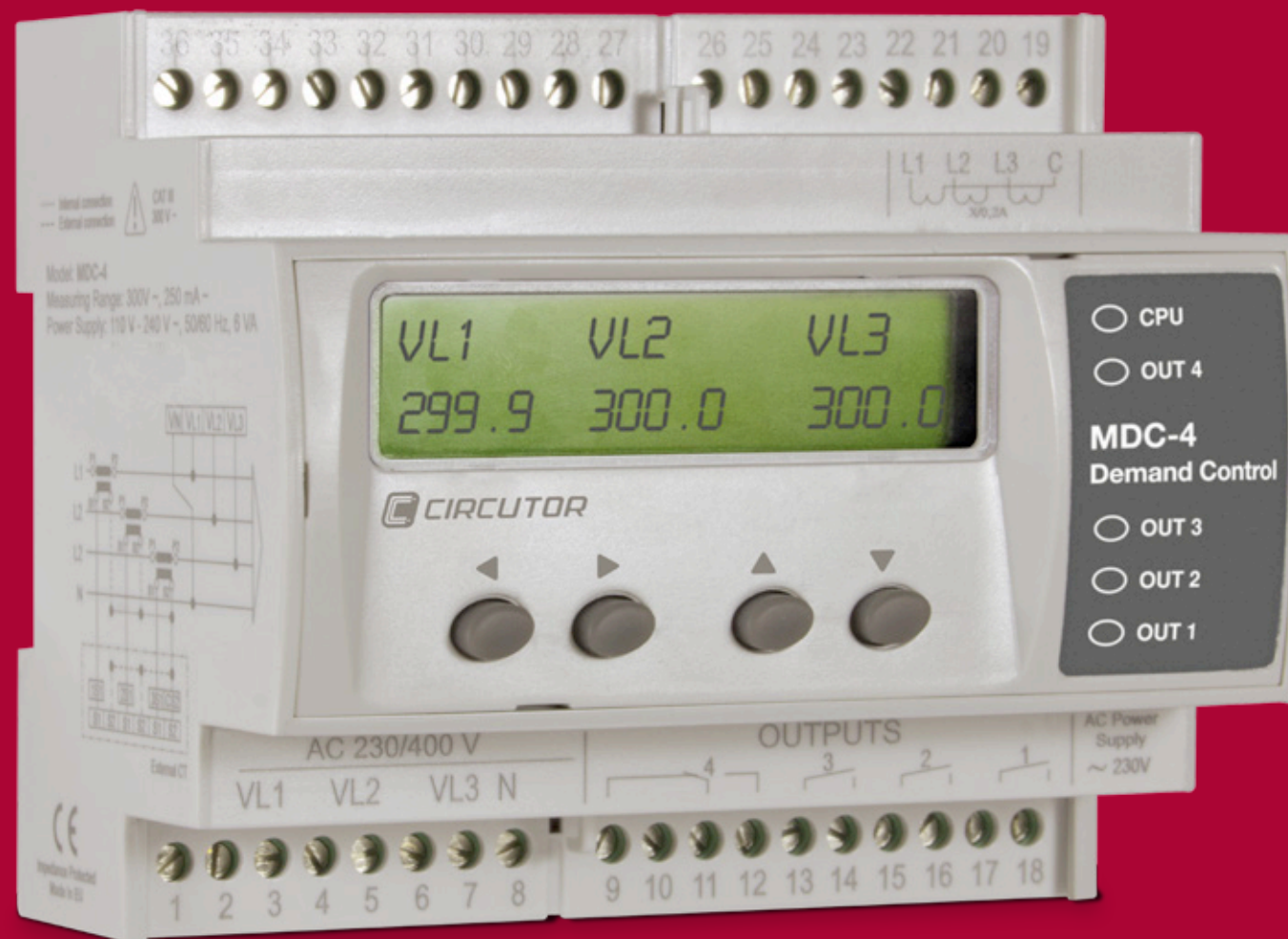
MDC 4

Maximum Demand
Control by level



Manage your loads intelligently

MDC-4 is designed to control the maximum demand of an installation for each level



Management



Management

- » Local control of 4 loads
- » Calculation of maximum demand on scrolling window
- » 4 relay outputs for disconnecting loads
- » **Connection / disconnection of loads by level**
- » Built-in power analyzer



Management

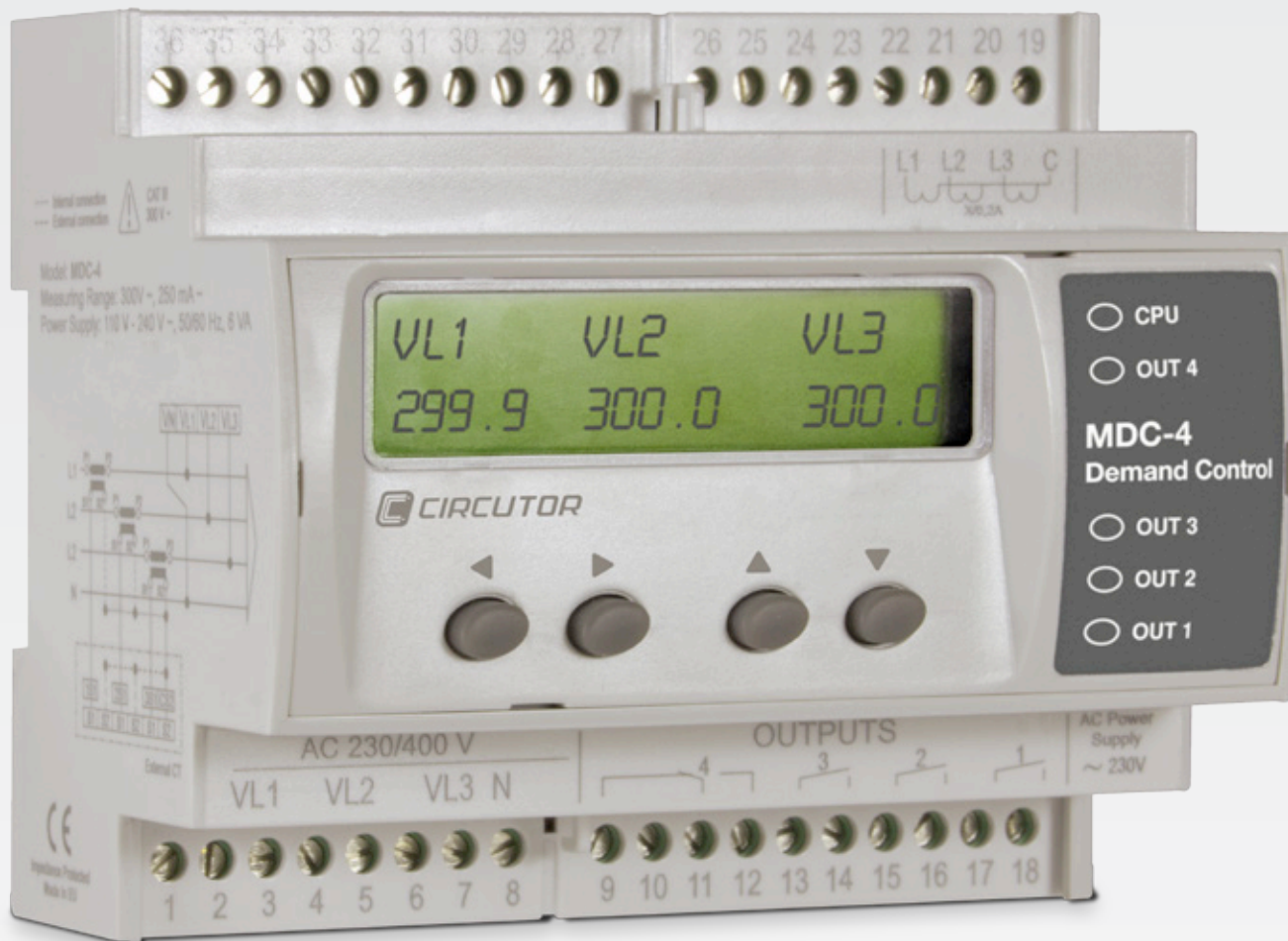
Programmable



Management

Programmable

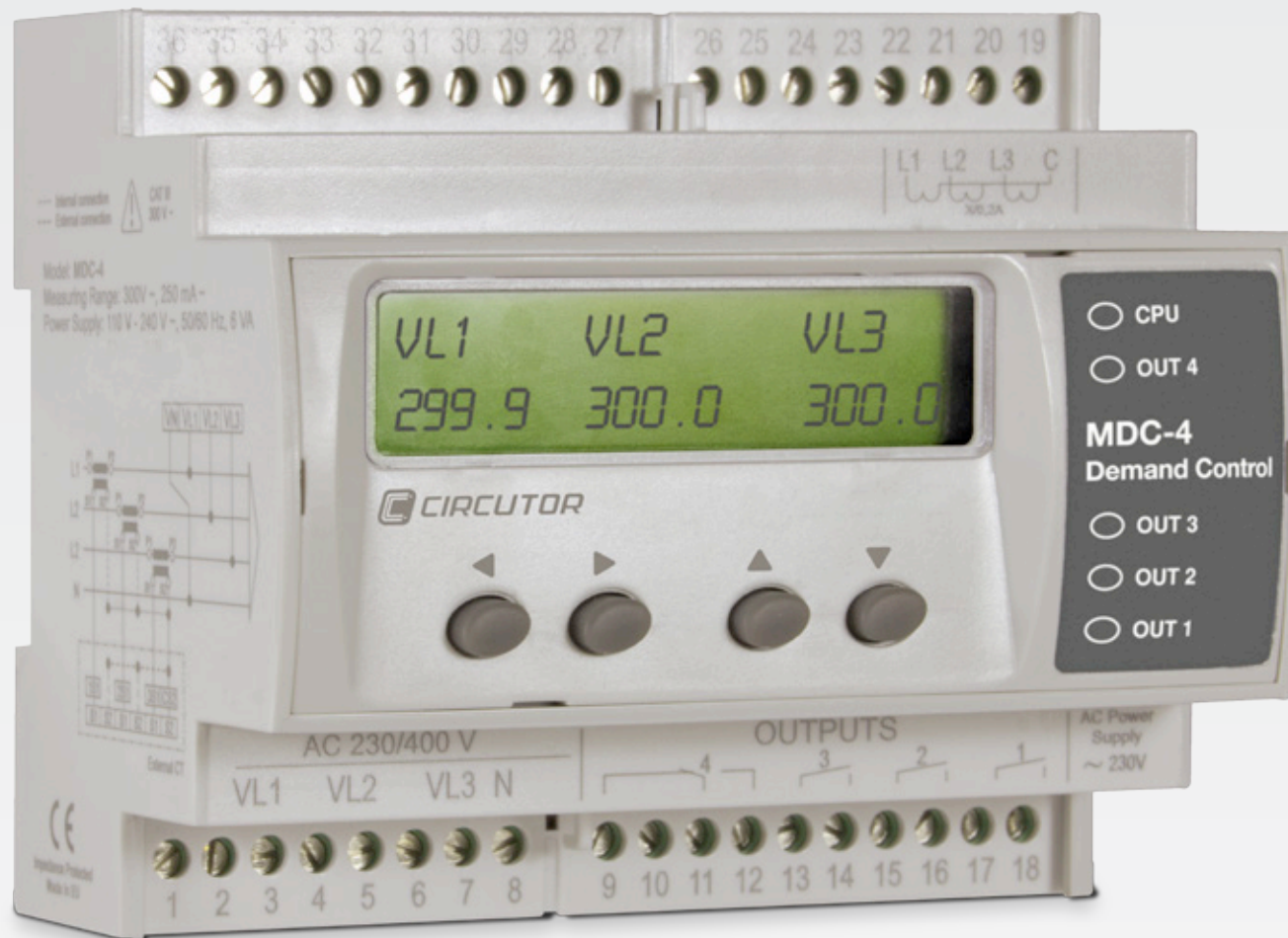
- » Control of maximum demand on scrolling window using the unit's internal clock
- » Modifiable programming
- » Configuration of outputs at different levels (according to the required load disconnection order)
- » Simple programming (only 2 parameters)



Management

Programmable

Display

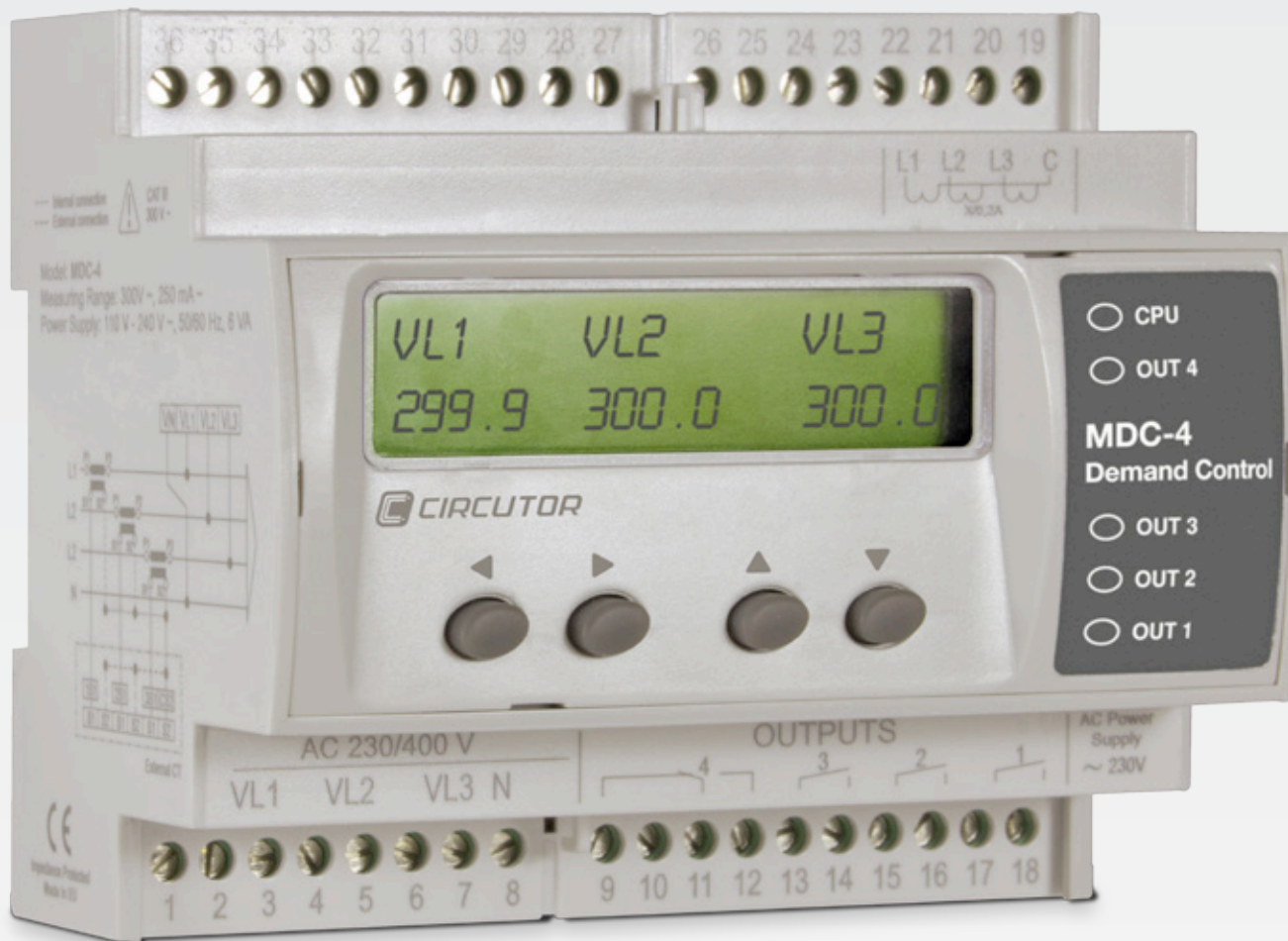


Management

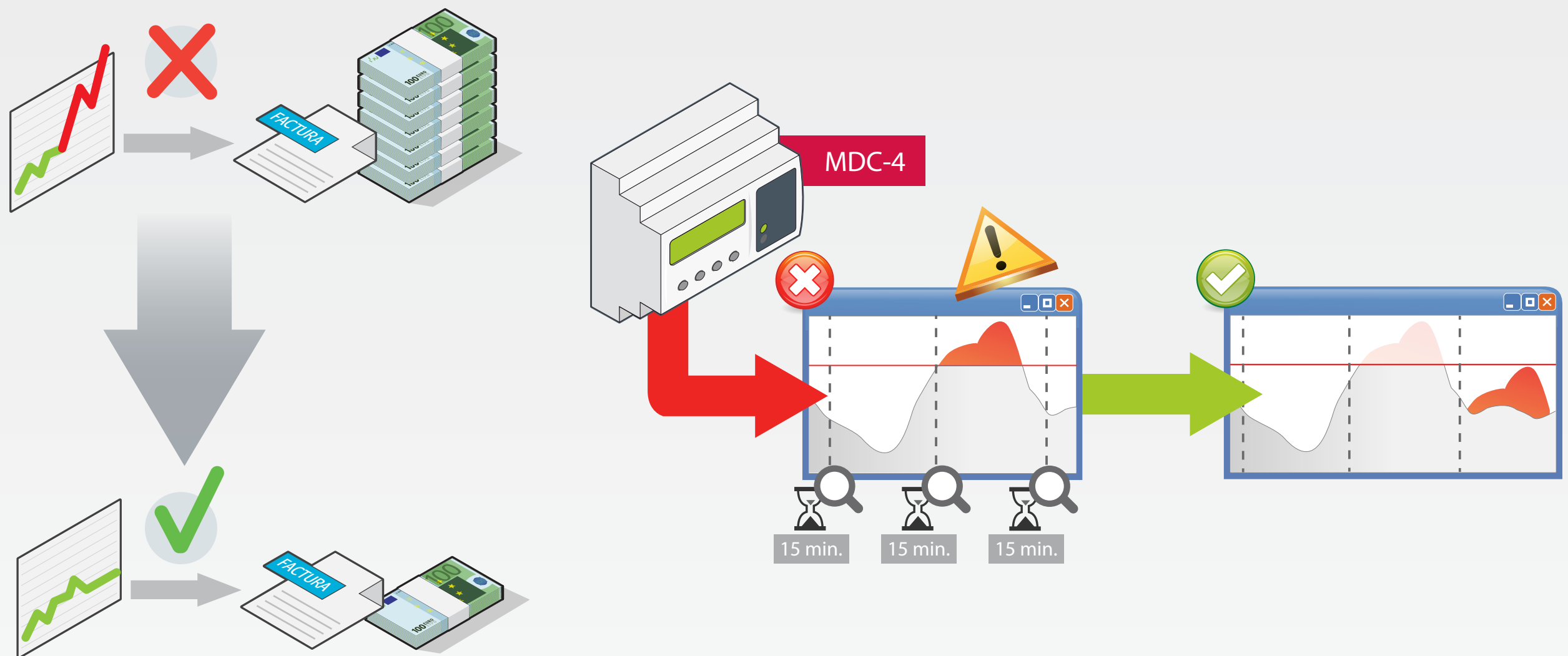
Programmable

Display

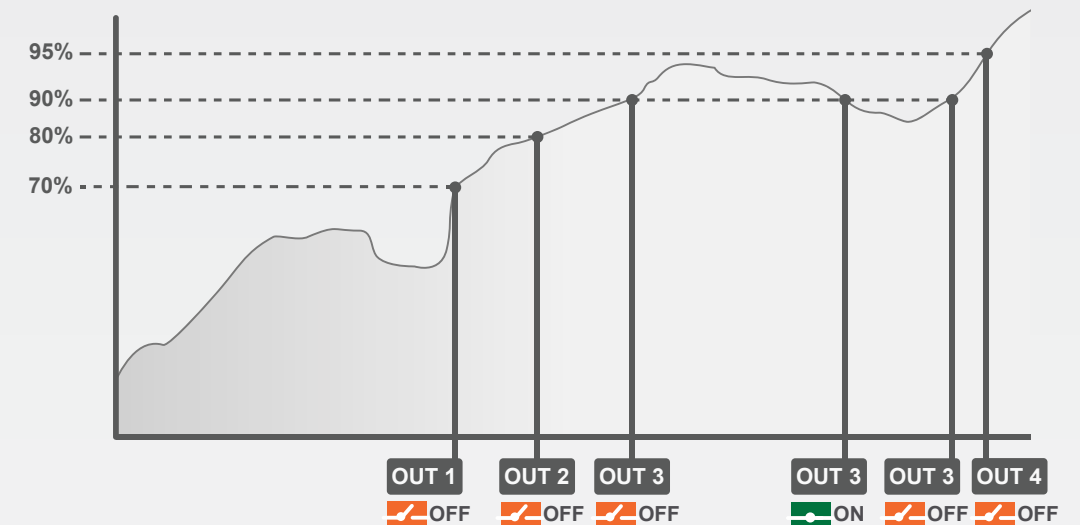
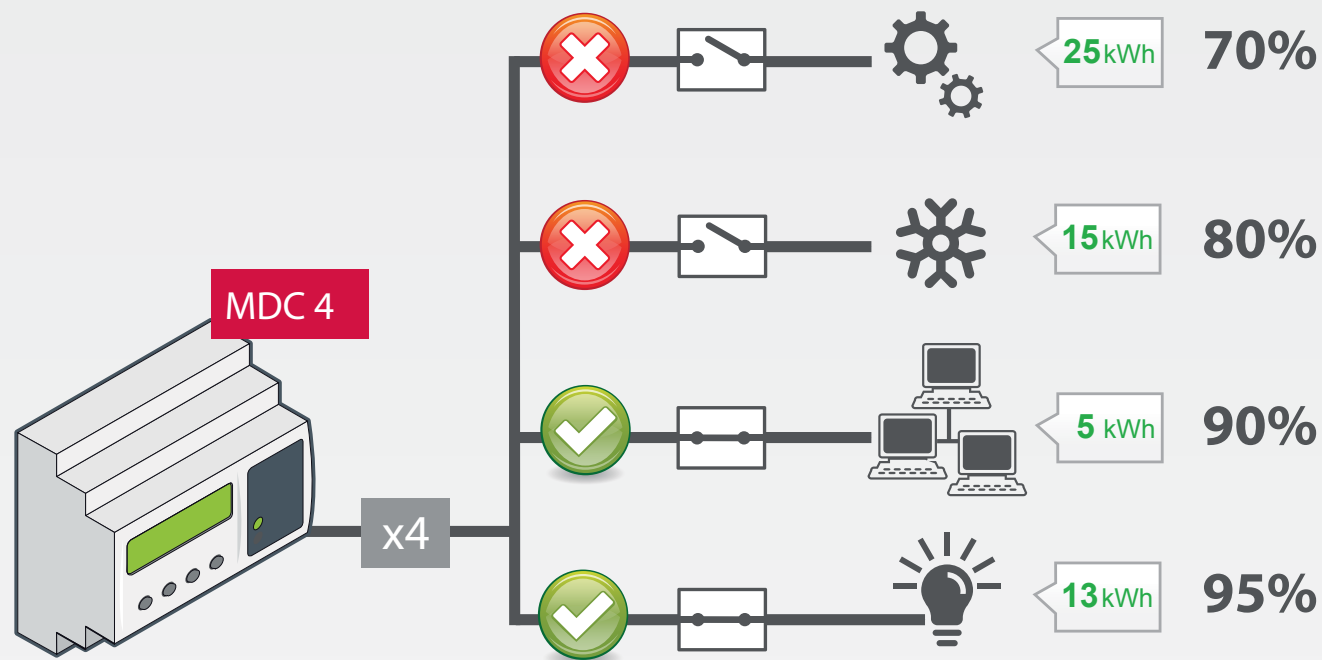
- » Display of electrical variables measured and calculated
- » Specific screens for maximum demand, contracted power and output status
- » Maximum value reached with date and time
- » Shows installation values: voltage, current, power, accumulated energy, etc.



Disconnecting non-priority loads at maximum demand times when you are close to the contracted power avoids penalties on your electricity bill.



Example of disconnecting up to 4 relays. Disconnection of loads by level

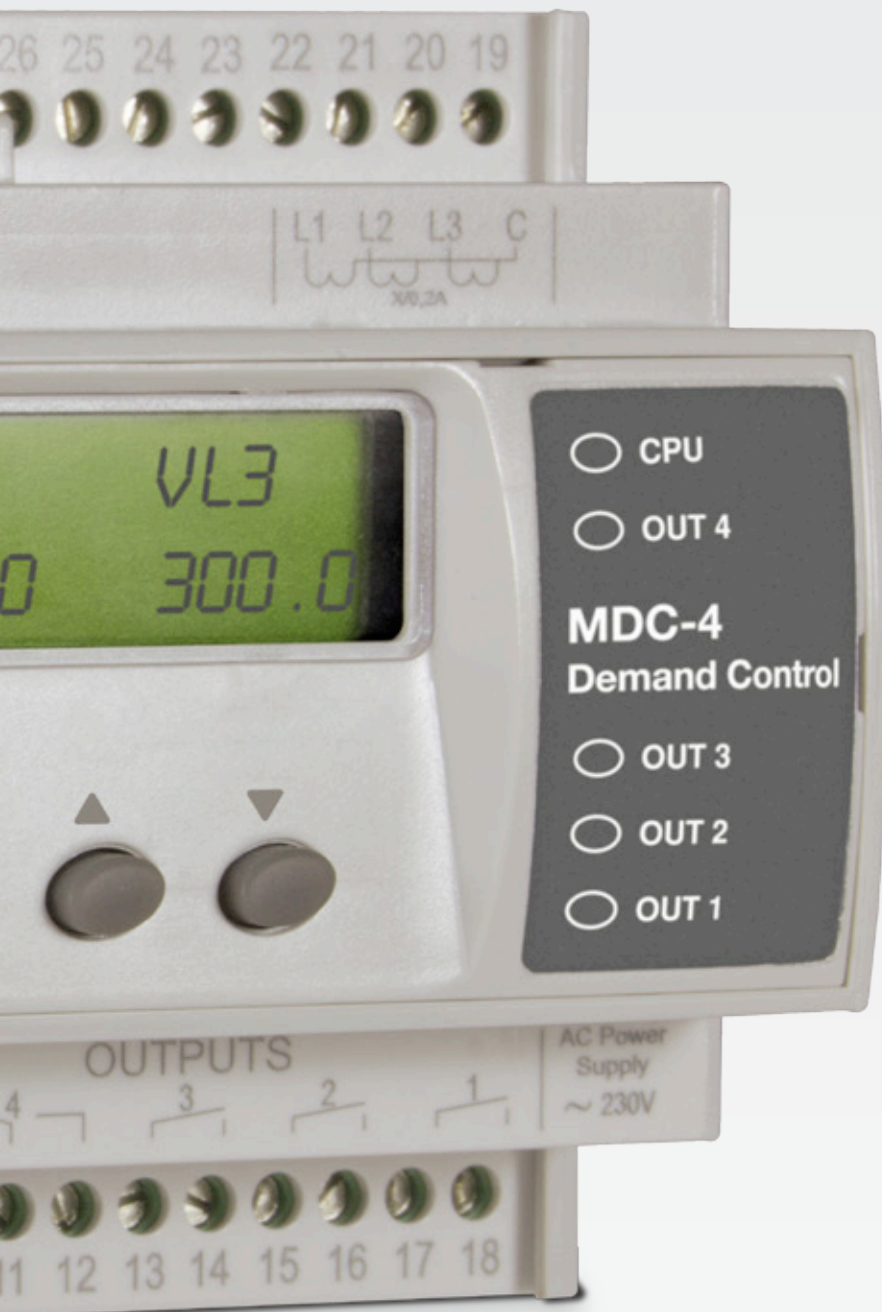


- . OUT 1: 70% of the configured power
- . OUT 2: 80% of the configured power
- . OUT 3: 90% of the configured power
- . OUT 4: 95% of the configured power

* The unit's programming can be changed and adjusted to the needs of each user or installation.

Main benefits

- Built-in power analyzer.
- Management of up to 4 local loads.
- Calculations on scrolling window.
- Maximum Demand maximum.
- Activation by level above setpoint.
- Programming of the contracted power.
- Programming of 4 different alarm levels for the outputs.
- 100...240 Vac power supply.
- Information on load operating time.
- Current measurement with MC transformers.
- Window for displaying power control parameters.
- Compact dimensions.



Manufacturing processes

MDC-4 apart from controlling loads, can determine the maximum demand maximum reached and therefore adjust the contract to the power needed.

MDC-4 calculates the maximum demand on the scrolling window, which means no sync pulse is needed.

Tertiary Sector

The system prevents simultaneous loads, disconnecting non-priority loads if necessary.

Load connection/disconnection depends on the instantaneous level of maximum demand, with loads disconnected according to the value of the maximum demand measured.



Technology for energy efficiency



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