



refrigeration and retail controllers  
refrigeration controllers



## pLoads

### The ideal partner for energy supervision and control

pLoads is the innovative CAREL controller for intelligent management of energy consumption; it significantly reduces waste, bringing considerable savings in terms of costs for the end user.

#### Planning of connected loads

The controller can be used to program the on and off times for all the loads connected. As well as general time bands (which can be set for each individual load), up to 15 special periods can be configured, representing exceptions to the main schedule.

#### Load cutoff

pLoads can cut off the loads based on thresholds set by the user:

- consumption threshold (kWh);
- power threshold (kW);
- apparent power threshold (kVA).

#### Multiple energy meter and consumption management

The pLoads controller can manage up to 12 power meters in a ModBus network, as well as water or gas meters.

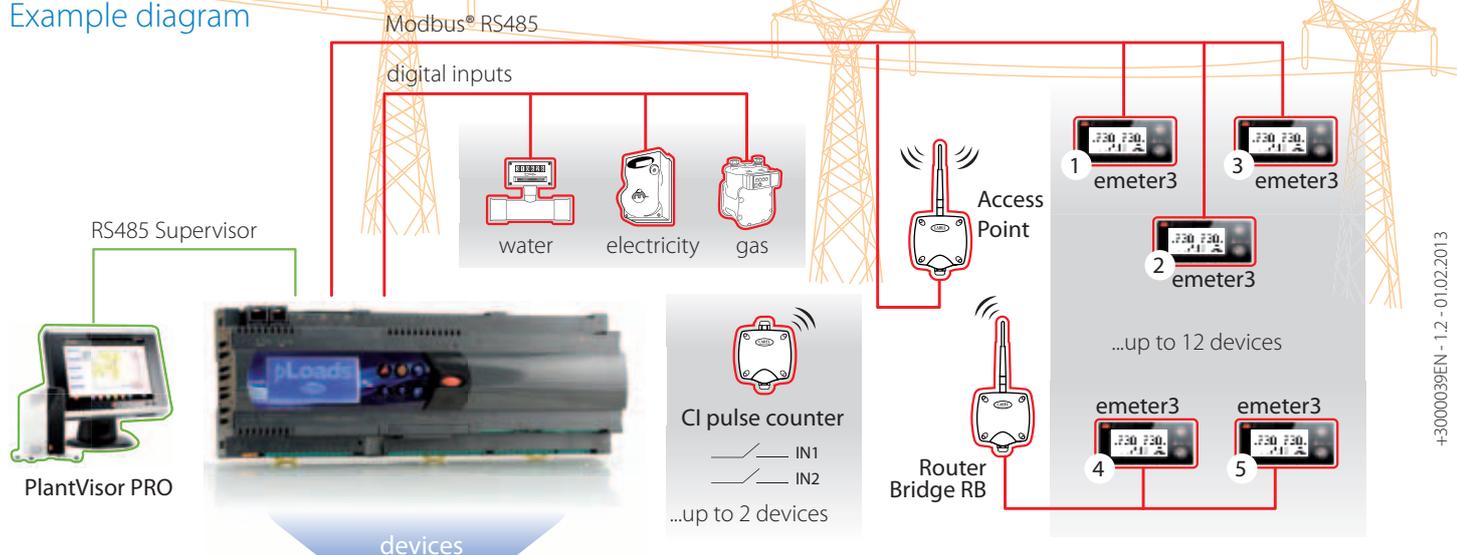
\*Some types of compatible meters: **CAREL emeter3**, Gavazzi CPT-DIN, Gavazzi WM14-DIN, Ducati Energia Smart più, IME Nemo 96HD, IME Nemo D4, Electrex FEMTO D4, Socomec.

#### CAREL emeter3:

- three-phase energy meter
- removable display
- DIN rail or flush-mounted
- 4 DIN modules

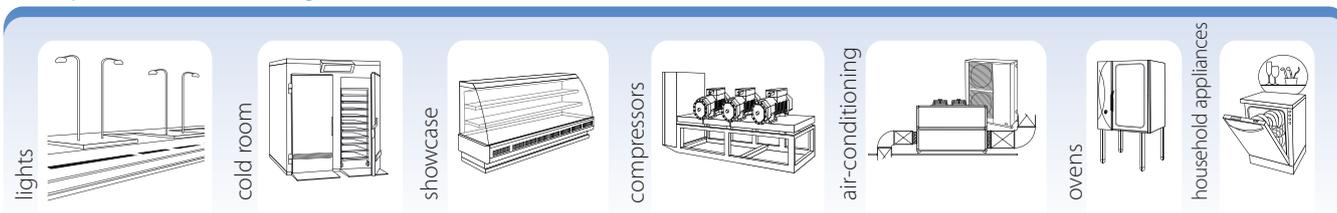


## Example diagram

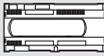


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## examples of devices managed



## Product codes

Size	Code	Description
	PLO550X30U000	pLoads compact, built-in display, suitable for controlling up to 4 electrical loads
	PLO550L30UB00	pLoads large, built-in display, suitable for controlling up to 12 electrical loads
Size	Code	Description
	MT300W1100	emeter3, 3PH energy meter without user interface, connection by CT
	MTOPZD0000	emeter3, user interface



### Cost savings

Scheduling the loads connected and cutting them off when exceeding consumption or power thresholds.



### Integration

Compatible with most meters available on the market.



### Easy to use

Can be easily configured by the user thanks to a simple and user-friendly built-in graphic display.

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