

Maximum Demand Control Systems

Save money on your energy bill
with these cost-effective solutions

There are two terms that appear on the majority of utility bills:

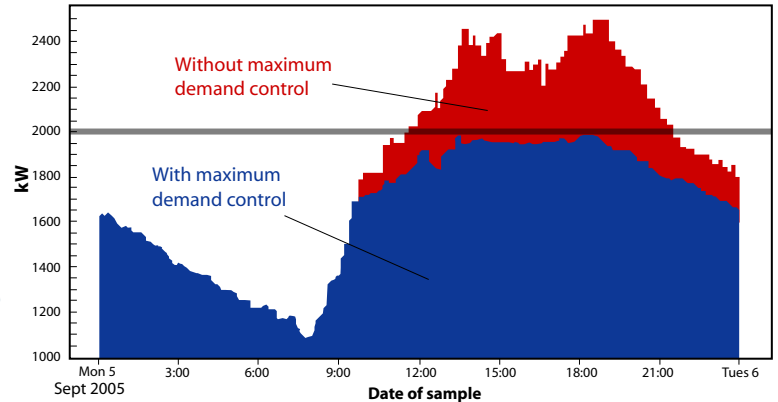
- Active energy consumption (kWh)
- Maximum Demand

Traditionally, companies have concentrated their energy saving efforts in two areas:

- 1 Reduction of Kilowatt Hour consumption
- 2 Improving the electrical system's Power Factor

There is a third item to consider when reducing the amount of the utility bill:

- 3 **Proper kW Demand management**
 - *The reduction of the consumed power*
 - *Adjusting to the new kW limit*
 - *Avoiding Maximum Demand penalties*



HOW TO CONTROL MAXIMUM DEMAND?

The purpose of controlling the demand is, not to exceed the contracted maximum demand limit. One way to do this is to shed non-critical loads. Generally, any load which does not affect the main process or which is not essential can be shed.

Possible loads to be disconnected:

- | | |
|------------------------------|------------------------------|
| • Lights | • Compressors |
| • Air conditioners | • Pumps |
| • Fans and extractors | • Packaging machinery |
| • Shredders | • Ice machines |
| • Refrigerators | • Others... |

WHAT IS MAXIMUM DEMAND?

Maximum Demand is calculated and billed by a kW demand meter, which records the highest kW value consumed in one 15 minute period, over a monthly billing cycle.



Single Load to System Wide Solutions

Royal



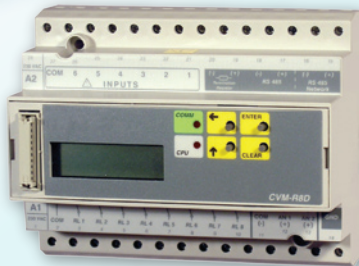
- True RMS Measurements for single and balanced 3 phase power systems
- Measurement included Maximum power demand and V & I harmonic distortion
- 2 Relay outputs
- Maximum and Minimum values stored for all measurements

DH 96



- Maximum demand control using energy meter pulses
- Capability to control 4 loads
- Calculation of maximum and average value of the demand peak as well as consumed kW
- Optional RS485 Communications

CVM-R8D-CPP



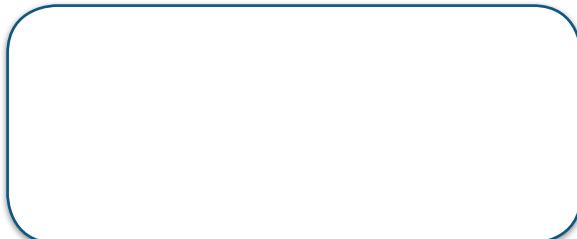
- Maximum demand control using energy meter pulses
- Fixed window control, synchronized with the utility demand pulse
- Programmable Power values (maximum, minimum or average)
- Capability to control 7 loads, scaleable to 17 loads with expansion module CVM-R10

CPP-B / CPP-CT



- Complete Maximum demand control system using energy meter pulses
- Ideal for large industrial plants and commercial installations
- Modular system, scalable to 128 loads
- Load status capability
- Fixed or sliding window control
- Synchronized with the utility demand pulse
- Powerful simulation tools to test the behavior of the installation
- Flexible configuration of up to 8 day types allowing accurate modeling of load and utility requirements

Distributor:



Contact us to find the correct solution for you

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