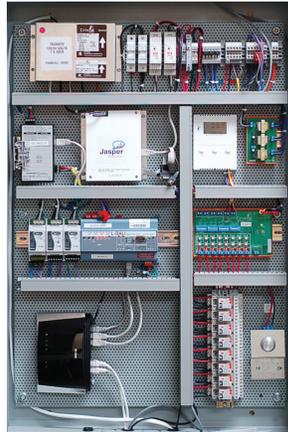**CRISTAL**

Energy Management Solutions

Peak and Energy Control Manager

LS–2010

Description

The LS–2010 is Cristal Controls' most advanced peak and energy control manager. The LS–2010 is programmed with a Web application using Explorer, Safari or any recognized Web access. Once fully programmed the LS–2010 controls the outputs in order to respect the desired consumption set point, local temperature and schedules

▶ Up to thousands outputs (Dry Contact or Pulse)

▶ Internet/Ethernet communication

▶ Integrated time scheduler

▶ Load cycling

▶ 12 set points (1 per month)

▶ Set point and pulse adjustment according to outdoor temperature

▶ Unlimited outputs

▶ Models:
  LS–2010–XXX (XXX= number of outputs)

Peak and Energy Control Manager   **LS–2010**

Applications

▶ The LS–2010 has been designed to monitor and control a building's maximum consumption. The LS–2010 will shed the necessary loads in order to respect the desired consumption.

▶ In order to offer maximum control over shedding, the LS–2010 offers output selections (refer to technical documentation).

▶ The LS–2010 also offers a shedding pattern that takes into consideration the outdoor temperature. For example, when it is colder than a pre–selected outdoor temperature, the LS–2010 will increase the allowable consumption level in order to accept new heating load into the energy management strategy.

▶ The LS–2010 has an integrated calendar in order to use 12 differents consumption set points (1 per month).

▶ The basic LS–2010 has 8 outputs but can also be expanded by increments of 8.

Technical specifications

Power supply

▶ Dedicated 120–1–60 circuit

Inputs

▶ Outdoor sensor
(10K @ 25 °C, reference temp curve #1 of Dale, or #12 of Mamac, #2 of Bapi, #2 of Greystone)

▶ Working range: –44 °C to 35 °C, 1°C resolution

▶ One 0–5 Vdc current transformer for each phase
Outputs or Meter pulse input

▶ 8 or16x1A@24Vac,drycontact

Panel size

▶ NEMA–1: 36"x24"x4,62"