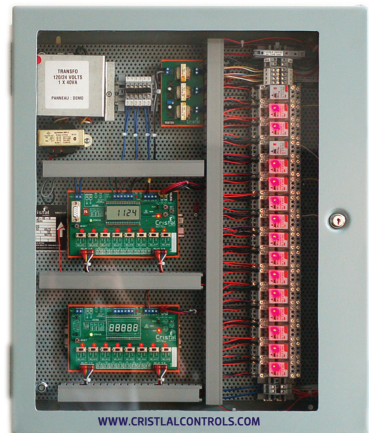


## Low Cost Peak Control System

## LS-100



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### Description

The LS-100 is a simple peak control manager. It can be programmed using the master card buttons or using a PC. Once fully programmed, the LS-100 controls outputs in order to respect the desired set point.

- ▶ 8 outputs (Dry Contact)
- ▶ RS/232 Modbus communication
- ▶ Integrated time-clock
- ▶ (AUTO/ON/OFF) bypass switch
- ▶ Load cycling (4 modes)
- ▶ 12 set points (1 per month)
- ▶ Set-point adjustment according to outdoor temperature
- ▶ Expandable to 16 outputs

**Low Cost Peak Control System****LS-100****Applications**

- ▶ The LS-100 has been designed to monitor and control the maximum consumption of any building. It will shed all necessary loads in order to conform to the desired consumption level.
- ▶ To offer maximum control over the shedding, the LS-100 offers 3 output selections: priority, cyclic or unused.
- ▶ The LS-100 also offers a shedding pattern that takes into consideration the outdoor temperature. For example, if it becomes colder than a pre-selected outdoor temperature, the LS-100 will increase the permissible consumption level to accept a new heating load into the pre-established energy management strategy.
- ▶ The LS-100 has an integrated calendar that can use 12 different consumption set points (1 per month)
- ▶ The basic LS-100 has 8 outputs, but can be expanded to 16 outputs by adding an 8-output control card.

**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**

- ▶ 8 or 16 x 1A @ 24 Vac, dry contact

**Communication**

- ▶ RS-232 modbus RTU