

Smart Panel (sPanel) eCommander Accessory



Introduction

Smart Panel presents you with an elegant and stylish way to remotely control any plug-in device in your home. The Smart Panel is an eCommander accessory which allows you to monitor the energy usage and control the device remotely by making them a part of Home Area Network (HAN).

All communication between the Smart Panel and eCommander is performed using the existing powerline infrastructure -- requiring no extra cabling.

Benefits

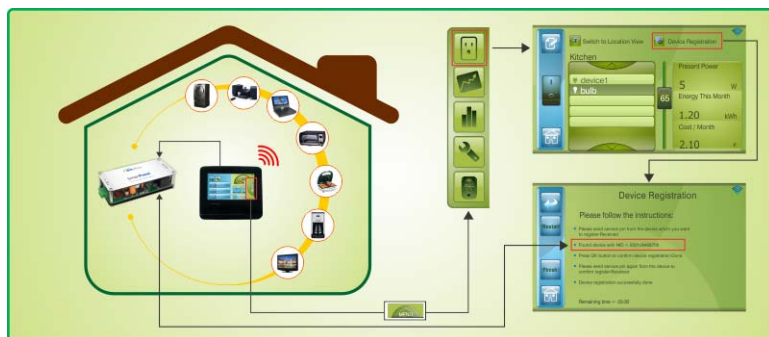


- Smart Panel is easy to install in existing wall outlets
- Total 5 electrical equipment can connect with sPanel
- Uncover approximate daily, weekly and monthly trends in your home electricity use
- Measure and manage the energy use of appliances
- Track electricity rates so you can lower your energy bill
- Wirelessly monitors your devices in real time
- Computer and smart phone apps. View your data at your convenience on your computer or smart phone

Smart Panel Usage

The Smart Panel communicate wirelessly. Smart Panel allows to measure the energy usage of the plugged in appliance. Smart Panel connects to the existing power line and allows other devices to be connected to it which needs to be controlled remotely.

Smart Panel registration with the eCommander below:



Step:1 Any appliances can connect with the Smart Panel.

Step:2 Smart Panel connects to the existing power line and allows other devices to be connected eCommander.

Step:3 Using the Menu icon, you can see the Menu list. Touch the Device Control icon, it displays the Device Control page.

Step:4 On Device Control page, touch the Device Registration icon. It will display the instructions pages which can uses to register the smart panel.

Step:5 You can Edit and Control the device using the options provided on Device Control page. You can Deregister the device by selecting the device in the list as shown in picture.

Technical Specifications

1. Electrical Specifications

| | |
|------------------------------------|--------------------------------------|
| Input Voltage Range | 90 to 277 VAC +/- 10% - Single phase |
| Input Frequency | 50 or 60Hz |
| Power Line Communication Frequency | 110kHz to 138kHz for C-band |
| Maximum Output Load Current | Max 16 Amps (3.2 Amp per channel) |

2. Processor Specifications

| | |
|--------|--|
| Memory | 4 Kbytes EEPROM, 2 Kbytes RAM, 24 Kbytes ROM |
|--------|--|

| | |
|------------|---|
| DC Voltage | 5V |
| Processor | Neuron Chips Family (designed by Echelon) |

3. Mechanical Specifications

| | |
|--|------------------|
| Power Plug | US/European |
| IP Rating | In-home use |
| Size (L x W x H – length, width, height) | 130 x 55 x 30 mm |

For more detailed information visit <http://energy.slscorp.com> or send us an email to energy@slscorp.com

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