

Metering and Billing Panel

Features:

- * Monitor real-time energy usage from utility meters, equipment electrical panels, and subpanels
- * See and analyze energy data online
- * Respond automatically or manually to Demand
- * Response requests from electrical energy providers
- * Exchange data with a SNAP PAC System, OPC or Modbus/TCP systems and SQL databases
- * Communicate over standard 10/100 Mbps Ethernet or Wireless LAN (802.11a, b, or g) or both

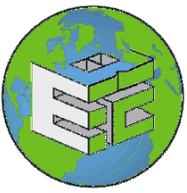
Overview:

The Metering and Billing Panel is a self-contained metering and billing solution for small to medium size facilities. The system consists of a data collection unit, Display, & Printer (See Sample Invoice below) all in one enclosure; which collects the data for two different applications of many depending on users needs:

A Configuration can be for a single Tenant or Five different Tenants.

A. Tenant(s) Multi use:

1. One Ct'd Input on One or more electrical Feeders
2. Demand Response output(s)
3. One to Four Pulse inputs for:
 - A. Other electric meters
 - B. Pulse inputs from Energy usage on equipment
 - C. Pulse inputs from water meter
 - D. Pulse inputs from gas meter
 - E. Pulse input from any pulse output meter



A. Individual Tenants:

4. One Ct'd Input on One or more electrical Feeders
5. One to Four Pulse inputs from electric meter(s) with a pulse output (supplied by Customer or purchased as an option):

B. Customize Inputs:

6. One Ct'd Input on One or more electrical Feeders
7. One to Four Pulse inputs from any pulse output meter (supplied by Customer or purchased as an option):

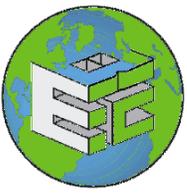
During the course of the month the user can view the consumption and peak demand. At the end of the month the system automatically generate a receipt for the month's consumption. The receipt produced indicates the consumption amount, the peak demand, and costs. Also on the receipt are the Tenant/Department information, the meter information, and the remit to information. A 12 month history is also displayed for historical reference.

The end user can configure each meter and tenant through password protected menus. When configuring a tenant you input the tenants Name and Contact information, the tenant meter is configured by indicating the measured medium, electric, gas, water, steam, etc, a unit value per pulse is configured along with the cost associated with the units of consumption and demand. Service charges can also be applied to the total cost; these service charges can be a fixed value or based on total consumption.

Unit Prices:

- A, 1-Ct'd Input, 4-Pulse Inputs, 64 Modbus Points - \$4573.80
- B. 2-Pulse Inputs, 4-Demand Response Outputs, 64 Modbus Points - \$4356.80
- C. 2-Pulse Inputs, 4-Demand Response Outputs, 64 Modbus Points, No Wireless - \$4111.80
- D. Pulse Inputs Only - \$2917.60

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Meter Billing Details

Meter Name/#

Customer Name

Street

City

State

Zip

Date

Service From

Service To

Amount Due

Energy Charge

Date

Date

Actual KWH

Rate

Charge

Demand Charge

Date-Time

Peak KW

RATE

Charge

Sub Total

Tax

Total

Remit to:

Name

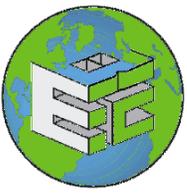
Street

City

State

Zip

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History

January

February

March

April

May

June

July

August

September

October

November

December

Pulse Input Non Elect

P1-4

Utility

Usage

Hourly Usage

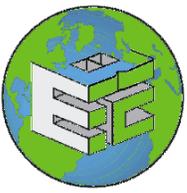
Peak Usage

Date-Time

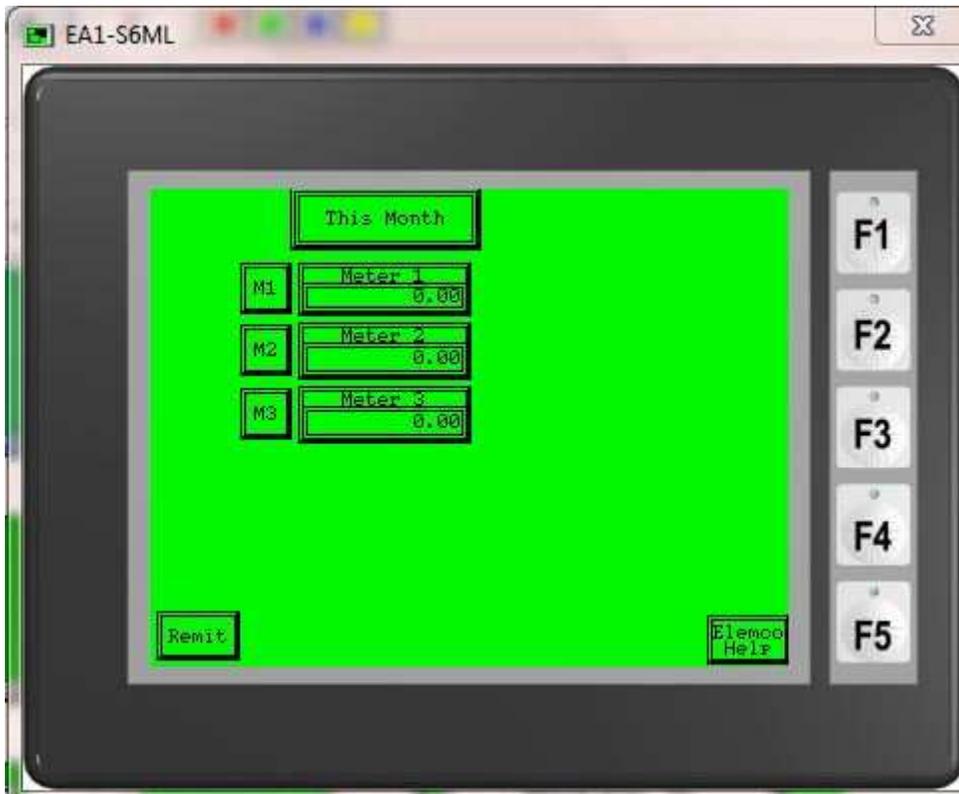
Rate

Charge

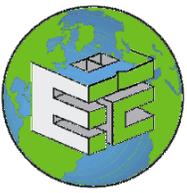
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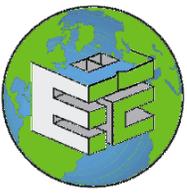
Typical Screens



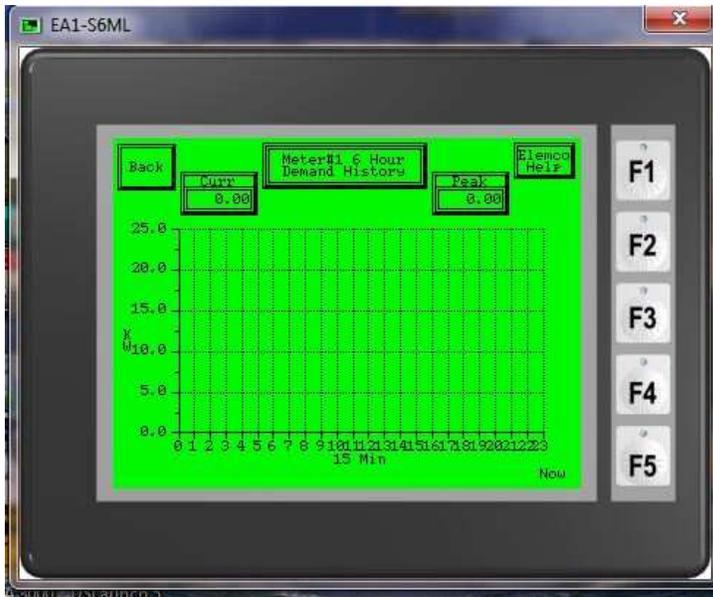
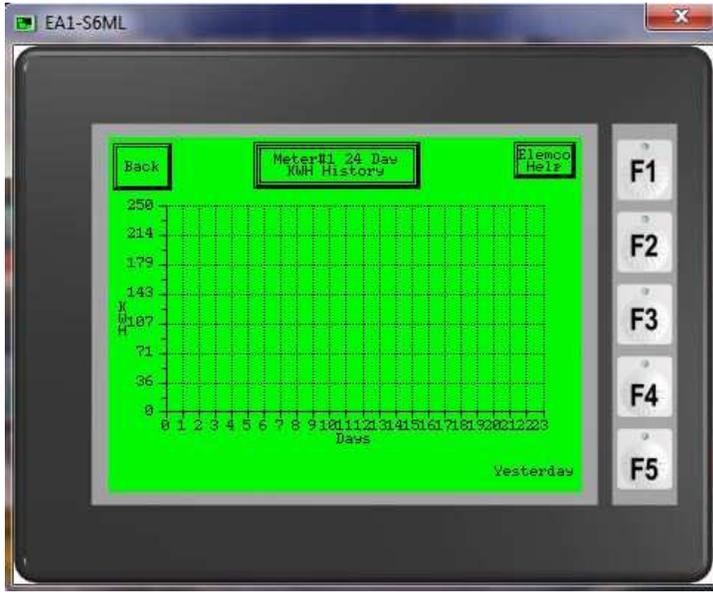
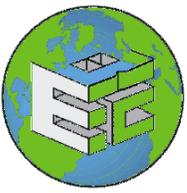
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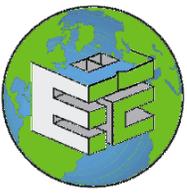
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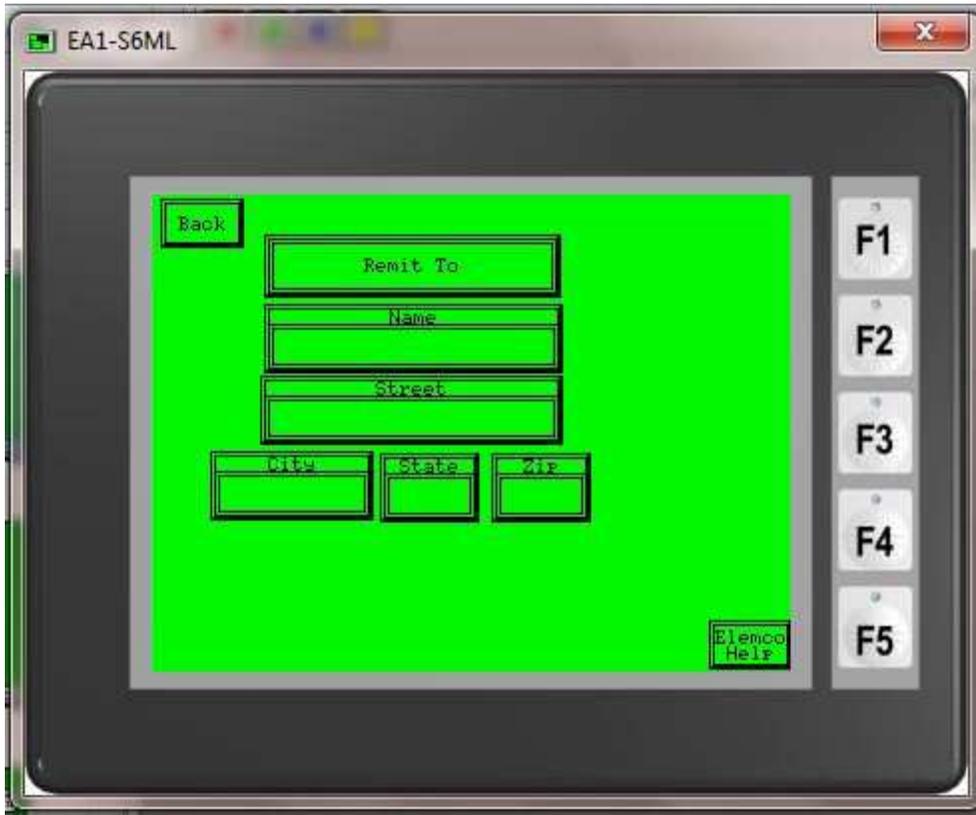
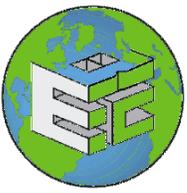
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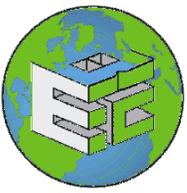
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