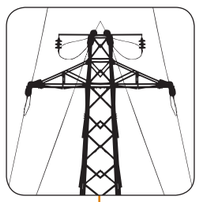
HomeWorks® QS residential smart grid solution



Utility company sends out demand response signal

Home Exterior

Home Interior

Gateway

RS-232

RS-232

RS-232 Interface

HomeWorks® QS processor receives demand response signal and lowers lighting, turns off pre-programmed loads, increases HVAC set point, and adjusts shades to save energy.

Ethernet

QS Link

OR

Clear Connect™ RF Technology

Zigbee (802.15.4)

Smart meter relays demand response signal from utility to home by Zigbee® or Ethernet.

OR

Ethernet

Router

Ethernet

Software for home computer allows user to pre-program load-shed strategies.

Homeowner can program how they would like to reduce their energy usage during load-shed periods to ensure comfort and convenience in their home.

Dimmers

Switches

HVAC

Non-lighting loads

Shades

Remote Power Panel

LUTRON®

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