



# Electro Industries/GaugeTech

FS

## KYZ Pulse Energy Monitor and Controller

Save Thousands in Demand Charges Every Year!

### Features

- Monitors peak kilowatt demand derived from revenue meter KYZ pulses
- Displays average usage
- Activates peak-shaving generator and/or load-shedding control on peak demand
- Ideal for use with utility load-shedding programs
- Simple, quick installation

### Monitor and Control Peak Demand

The PVZ101 monitors and responds to kilowatt demand. When peak-demand conditions arise, the PVZ activates relays that then sound alarms or control equipment. The net result? A drastic reduction in your utility bill. This meter often pays for itself after just one week of operation. It is ideal for utility load shedding, peak shaving, load curtailment and all other demand-reduction applications.

### How It Works

The PVZ101 calculates average demand by counting the KYZ pulses generated by a utility revenue meter. When a programmed limit is exceeded, the controller's two dry-contact relays are used to shed loads or sound an alarm.

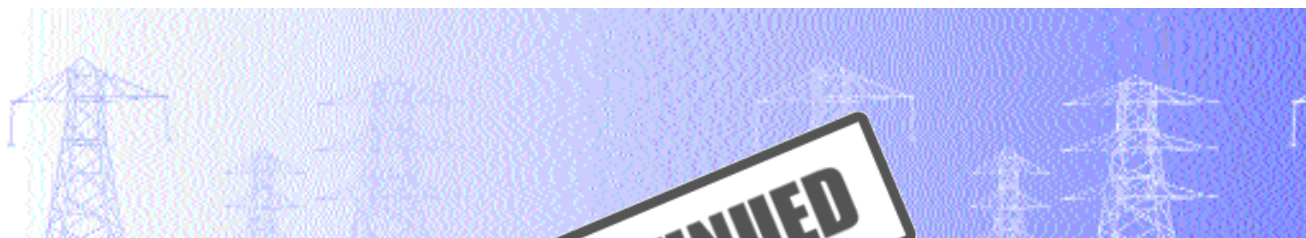
### Programmable Intervals and Scaling

Just use the PVZ101's keypad to program in any demand period, pulse rate and multiplying factors. Of course, you can also set limits to



### Control-Relay Outputs

The monitor offers two programmable control relay outputs. Use these outputs to activate demand alarms, operate load-shedding control or turn on generators when peak conditions occur. Prevent dithering just by setting the



**DISCONTINUED**

### Specifications

#### Meter Input

Pulse Value: .001-9999 watt-hours  
CT Ratio Factor: 1-9999  
PT Ratio Factor: 1-9999  
Pulse Duration Rate: 20 per second, maximum  
Input Debounce: 40ms

#### Maximum and Minimum Demand Period

Adjustable 1-9999 seconds; sliding-window average

#### Digital Display

LED, .8" high-efficiency red

#### Digital Communications

Standard: EI Protocol included  
Options: RS232 output (Suffix -NT); RS485 output (Suffix -NS)

#### Faceplate Label

Kilowatt or megawatt

#### Control Outputs

Contact Rating: 250V AC, 6A  
Contact Delay: 1-9999 seconds

Operating: -20 to 70°C  
Storage: 55 to 85°C

#### Power Supplies (Internal)

AC external transformer  
Options: built-in 120V AC, ±15% (suffix -S);

#### Ordering Information

To order this product, please specify part number (220V) and the communication-output option (NT for RS232 or NS for RS485). For example: PVZ101-S/

