

9312A

Demand Management System

**Change the way you feel about
your Electric Bills!**



Reliable • Quality • Easy to Use

Brayden Automation's Energy Sentry Residential Demand Management Systems give you the power to monitor and control your high demand peaks. With over 30 years of experience, we take pride in our expert knowledge and top-notch customer service — not to mention the most durable, user-friendly demand management systems in the industry. The Energy Sentry is the leader in controlling demand peaks and, to find the best solution for your needs and applications, we'll build and customize a 9312A especially for you.

*Helping you use
energy more efficiently*



Reducing your energy bills is easy with the Energy Sentry Model 9312A. Like other Energy Sentry models, the 9312A provides energy-saving efficiency, in a powerful microcomputer-based electrical demand controller. The 9312A offers several advanced features not found in other models:

In-house Control/Display Unit - Because the Control/Display unit is conveniently located inside your home, you have instant access to all electrical demand information at your fingertips.



Extended Load Status Display - The extended load status display allows you to visually monitor more system information at one time.

Auto-Demand Limit - Enables the 9312A to automatically change demand limit settings up to 12 times per year, allowing you to set different demand levels for spring, summer, fall and winter, or if you wish, you can set predetermined demand levels for each month. Once set, the 9312A silently goes to work allowing you to relax with peace of mind knowing your electric bills are always under control.

Simply set your 9312A to a demand limit which is suitable for you home and the current season. By continuously monitoring your electrical demand and keeping demand under the set level, the 9312A effectively reduces the rate of energy usage and saves money for customers with both "Straight" demand or "Time-of Use" demand rates.

Never Sacrifice Comfort for Savings Again!

As electrical equipment and appliances turn on, your home's electric demand rises. When the demand approaches your pre-set demand limit, the 9312A automatically manages the major energy-users, such as your heating or cooling systems, water heater and dryer heating element, for a short time. Once your home's electrical demand drops below your limit, the 9312A gradually restores the controlled electrical loads.

Like all Energy Sentry controllers, the 9312A allows you to custom tailor the way it manages the major electrical users in your home. For instance, with a fixed-priority control strategy, loads are assigned a unique priority. The lowest priority is turned off first and the highest priority load is turned off last. When the demand drops, the loads are restored in the reverse order. In some homes, the rotating control strategy is preferred, where all loads with the same priority are rotated, thus distributing power more evenly. The 9312A can be further tailored by using the combination control strategy that blends the fixed and rotating strategies together. Virtually any combination of fixed and rotating loads can be programmed. As a result, you control your electrical bills while maintaining a comfortable home.

Additionally, you can relax knowing that your 9312A will not affect your lighting or small appliances because it does not control the electricity supplied to wall outlets. Therefore, your comfort and convenience are never compromised.

Save your Money and your Earth!

Not only is the Energy Sentry 9312A a sound financial investment as it save you money, it is also a good environmental investment because it contributes to a reduction in overall fuel usage.



With savings ranging from 20% to 40% or more each month, your annual savings will generally exceed 30%. The Energy Sentry will very likely prove to be one of your finest investments and will continue paying you back with tax free savings each month for years to come.



Moreover, as more people in you neighborhood install Energy Sentrys, peak electrical demand declines, enabling electric companies to operate more efficiently and reduce fuel consumption. Ultimately, you save something more important than money - you save our earth's resources.

**Savings may vary due to individual circumstances in each household.*

Specifications	
Electrical	
Voltage Input:	120VAC @ .25 Amp MAX
Current Transformer Input:	0-200 mA
Demand Limit Ranges:	9312A: 40KW or 80 KW
Demand Limit Resolution:	.5KW on 40KW or 80KW
Demand Display Resolution:	.1KW
Demand Averaging Period:	15, 30, 60 min.
Demand Calculation Update:	<1 sec.
Audible Alarm Outputs:	Audible alarm with volume 3 volume and off settings
Relay Outputs:	8, expandable to 16
Relays:	2 internal SPST-NC low-power outputs 3 Amps @ 30VAC/VDC Available with up to eight 30 Amp DPST-NC relays rated @ 300VAC to control up to 16 circuits Low power 3 Amp remote relays for HVAC control circuits also available
Standard Relay Configuration:	4, 6, or 8 Power Relays
System Settings Memory:	Non-volatile EEPROM/Battery, Backed RAM
Mechanical	
Size:	18" H x 12" W x 4" D NEMA 1 Enclosure
Enclosure:	.060 steel housing
Weight:	21 lbs.
All specifications are subject to change without notice.	