

Demand Controller Program

Standard Installation of Demand Controllers

Black Hills Power offers free installation based on standard installation guidelines. If the electrical requirements exceed these standards, the customer becomes responsible for the additional cost for materials and labor in order to complete the installation. The following demand controllers are available:

- **4-Relay Unit** – Small home with baseboard, cove, radiant heat
- **6-Relay Unit** – Medium home with baseboard, cove, radiant heat
- **8-Relay Unit** – Large home with baseboard, cover, radiant heat
- **16-Relay Unit** – Large home with multiple heat pumps, boilers or geothermal systems
- **4-Relay Unit with Remote** – Heat pump, electric furnace/boiler
- **3-Relay Unit** – No electric heat with electric water heater

Units are available in an outdoor, rain-tight model. Flush mounted covers for finished surface mounts are also available with each unit, with the exception of the 4-relay remote.

One remote relay box per home on heat pump, electric furnace and boiler applications. If the home warrants more than one relay box, installation is not covered. Additional remote boxes can be purchased as needed.

Demand controller should be installed in the home or on the exterior wall opposite the main breaker panel. No units will be installed on utility poles or other structures off the house.

Meters must be on the house. The meter must be no higher than 5 feet, 6 inches from the ground, deck or steps to the center of the meter face. The meter can must be able to accept the new demand meter. If electrical service is inadequate to adapt the demand controller system and meter, the customer is responsible for updating the service panel and meter can.

Remote control station (set station) must be within 40 feet of the main control panel and installed in the home's living space (i.e. kitchen, hallway). The remote station cannot be installed in a garage, cold basement or crawl space.

Hot tubs must be within 6 feet of the house. Saunas are not standard installations.

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The logo for Black Hills Power features the letters 'BHP' in a large, bold, sans-serif font. The letters are filled with a pattern of horizontal lines, giving them a textured appearance. Below 'BHP', the words 'Black Hills Power' are written in a smaller, bold, sans-serif font. The entire logo is set against a solid orange background that is part of a larger graphic element.

Demand Controller Program

On-Peak and Off-Peak Time Schedule
for Maximum Value Feature



Your demand controller controls demand during peak periods and allows up to three times your peak electric demand during weekends, major holidays and off-peak overnight periods on weekdays. Your cost for energy will remain the same for both on- and off-peak periods.

The following parameters detail the on-peak and off-peak periods with the Maximum Value feature:

Summer Season (Weekdays): April 1 through October 31

- On-Peak Time Period: 10:00 a.m. to 10:00 p.m.
- Off-Peak Time Period: 10:00 p.m. to 10:00 a.m.

Winter Season (Weekdays): November 1 to March 31

- On-Peak Time Period: 7:00 a.m. to 11:00 p.m.
- Off-Peak Time Period: 11:00 p.m. to 7:00 a.m.

Weekends: All weekends are considered Off-Peak Time Periods

The Off-Peak weekend time frame is:

- Summer: 10:00 p.m., Friday to 10:00 a.m., Monday
- Winter: 11:00 p.m., Friday to 7:00 a.m., Monday

The following holidays are considered Off-Peak:

New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day.

NOTE: A holiday is considered Off-Peak only on the day the holiday occurs. If a holiday falls on a weekend, the nearest Friday or Monday is NOT considered Off-Peak, regardless of local business practices for recognizing time off.

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