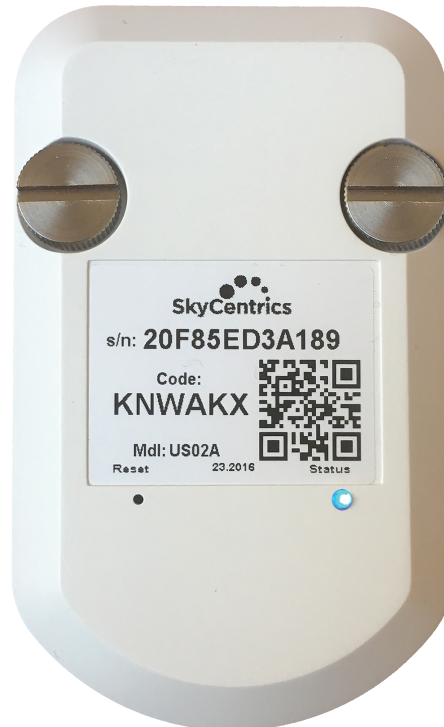


Demand Response and Flex-Load Signaling

- Flexible two-way communications
- Real-time data and control
- Customizable schedules & alerts
- Onboard schedule storage
- SkyCentrics cloud and analytics
- Built for utility Demand Response/Flexible Load programs
- No external power source required



DERMS, REST API, or OpenADR 2.0b

- Use SkyCentrics DREAM platform with fleet management and grid services
- Integrate into other DERMS or mobile applications via the SkyCentrics REST API
- Integrate with SkyCentrics certified OpenADR 2.0b VEN in the cloud, then connect to utility VTN

Certifications:

FCC Certified

- Complies with Part 15 of FCC Rules (RF devices)

UL Certified

- Conforms to UL Standard 916 (energy management equipment)

Security:

- TLS/SSL device to cloud
- VPN from cellular carrier to SkyCentrics cloud

CTA-2045 Ecosystem:

- Over 300 models of water heater from all major brands
 - AO Smith
 - Rheem
 - Bradford White
 - Rinnai
- Pentair Pool Pump Controllers
- Mitsubishi Mini-Splits
- Siemens EV Chargers
- Commercial Heat Pump Boilers, HVAC Systems, and Thermostats

Real Time Data Collection

- **Operational state:** running normal, running curtailed, heightened curtailed, idle normal.
- **Instantaneous power or electricity consumption (W)**
- **Total energy storage capacity (Wh) - water heaters**
- **Present capacity level (Wh) - water heaters**
- **Total Energy Consumption over period (Wh)**
- **Event override status (yes/no) - opt out**

CTA-2045 Grid Signals

Three Levels of Energy Curtailment:

- **Shed:** Moderately decrease energy consumption
- **Critical Peak:** Aggressively decrease energy consumption
- **Grid Emergency:** Eliminate all energy consumption

Two Levels of 'Load Up':

- **Load Up:** Allow Smart Grid Device (SGD) to fully heat before a curtailment event
- **Advanced Load Up:** Increase energy take above SGD setpoint to take advantage of surplus energy

Opt-Out: Customer opt-out of grid signals available at any time

Contact:

Tristan de Frondeville
info@skycentrics.com
415.962.1505

2150 Shattuck Ave, Ste 410, Berkeley, CA, 94704
415.962.1500 | info@skycentrics.com | www.SkyCentrics.com