

Siemens Automated Demand Response Gateway

Description

The Siemens Automated Demand Response Gateway (ADR Gateway) is a software application used to support participation in Siemens Intelligent Load Management (ILM) automated demand response programs.

The Siemens ADR Gateway allows you to configure and initiate automatic load shedding strategies in your building through digital, two way, communication with your building automation system (BAS), based on signals received from the Siemens ILM server.

The Siemens ADR Gateway is a Windows-based application that runs on a standard computer. No special hardware or wiring is required.

The Siemens ADR Gateway establishes communication with the Siemens ILM server over the internet using a secured protocol. Instead of using relays to initiate events, the Siemens ADR Gateway communicates with your building automation system bi-directionally and digitally using the open standard BACnet protocol or a SOAP/XML Web services interface.

Digital communications allows the Siemens ADR Gateway to support greater flexibility and more advanced load shedding strategies that relay-based black box solutions. A highly flexible and simple to use user interface is used to input the multi-level load shed sequences without having to employ any complex line programming.

The state of the art two way communications uploads aggregated consumption data back to the ILM server for Measurement and Verification (M & V) and eliminates the need for another communications line or a duplicate building power meter.

Features

- Communications with Siemens ILM server via internet over secured Web connection without a dedicated line
- Communications with BAS through BACnet or SOAP/XML Web services
- User friendly interface for configuring load shedding strategies
- Supports multiple levels of DR load shed strategies
- Bi-directional communications uploads consumption data to ILM for M & V without need for a duplicate meter
- History log of shed requests and responses is stored for future reference

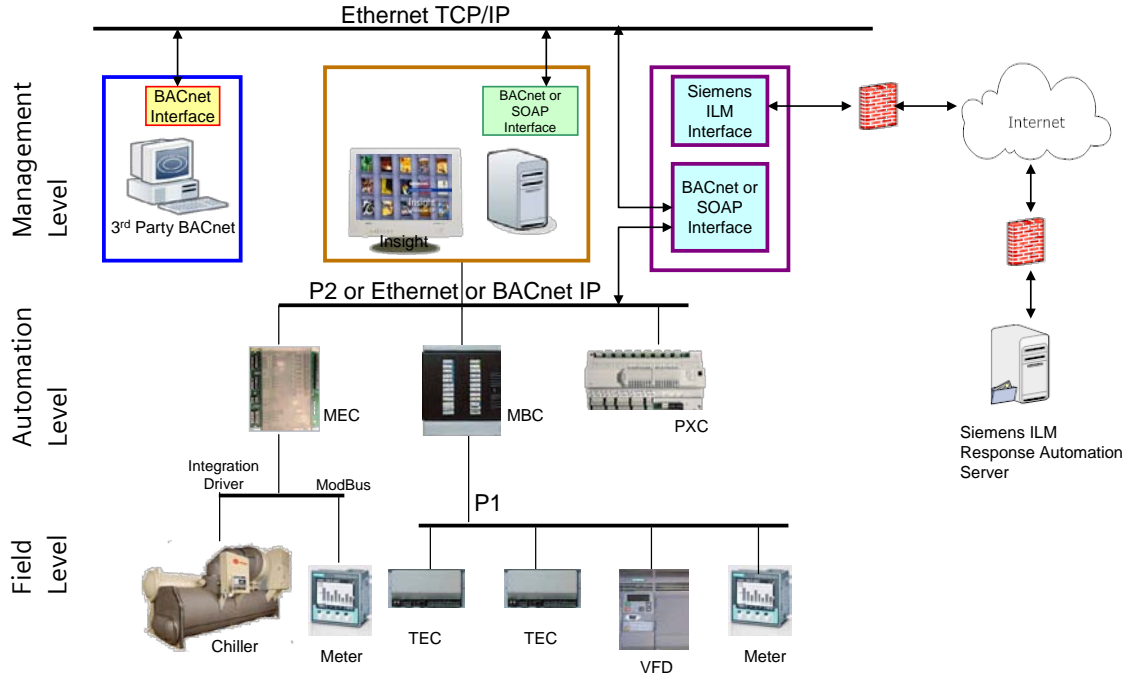
Connections

The Siemens ADR Gateway connects to the Siemens ILM servers over secured internet connection. The server URL can be accessed directly from the Siemens ADR Gateway, or through a standard proxy server.

The Siemens ADR Client connects to the building automation system (BAS) through either of the two available methods.

- BACnet IP
- SOAP/XML

Siemens ADR Gateway Connectivity



Specifications

Supported Operating Systems

- Windows XP
- Windows 7 (32 or 64 bit)
- Windows Server 2003 (32- or 64-bit)
- Windows Server 2008 (32- or 64-bit)

Supported Insight Revisions

- 3.11 or later

Communication Protocols

- Supports Siemens ILM server secure protocol
- Supports BACnet Read Property A (DS-RP-A) and Write Property A (DS-WP-A) for communication with BAS
- Supports Insight Web services Version 1.0

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Ordering Information

(through the Specials Ordering Process)

Siemens ADR Gateway
Siemens ADR Gateway and SOAP Option bundle

Document Ordering Information

Automated Demand Response Using the Siemens ADR Gateway Application Guide	125-012
Siemens ADR Gateway User Guide	541-132
Siemens ADR Gateway FAQs [white paper]	149-1007
Siemens ADR Gateway Product Specifications Sheet	149-351