

Intelligent temperature control for any environment

TAC I/NET

Environmental Controllers



Make the most of your energy

Schneider
Electric



Quality
climate control
you can count on

Industry-leading environmental control, capability, performance and value

Schneider Electric's environmental controllers provide all the performance you need to manage facilities of any size or complexity. With flexible design and I/O point configuration, these controllers offer superior capability.

Controllers are provided in a wide range with multiple I/O configurations and programming capability – from highly featured, freely programmable devices ideal for complex air handling and chiller controls, to application-specific controllers targeted at specific uses.

Schneider Electric provides one-stop shopping with a comprehensive array of enclosures and power supplies sensors and other devices.

Schneider Electric has unique capabilities when it comes to maintaining temperature setpoints at very tight tolerances. With universal inputs offering 16-bit resolution and 12 bit analog outputs, Schneider Electric has controllers ideal for use in clean rooms and other environments demanding extremely precise and responsive performance.

With Schneider Electric's capabilities in networking and communications, enterprise-wide systems are a strong part of our offering with direct control and monitoring of process functions from peer-to-peer, LAN-based controllers. These process functions include environmental control, lighting, security, trending, energy management, and process control, which may be executed locally in a standalone mode or "globalized" across the token-passing LAN or Ethernet.

Schneider Electric has solutions for small buildings operating standalone or connected via voice grade telephone lines to a service center. These same controllers can be used effectively for larger facilities. With onboard inputs and outputs, and the easy-to-use ViewCon interface, our controllers are ideally suited for use in small restaurants and retail stores.

Schneider Electric Building Manager (BM) makes any DTMF touch-tone telephone an easy-to-use operator interface for after-hours override control of any equipment on the Schneider Electric controller LAN. The Schneider Electric Building Manager provides an extremely powerful, flexible and easy means for tenants and employees to request lighting, heating, cooling and other facilities services when working after-hours.

Override parameters can be specified and limited by the system administrator. The Schneider Electric building manager also keeps a cumulative record of overrides for each defined zone and these records can be used for generating energy usage bills via the TAC I/NET™ system.

Schneider Electric supplies controllers specifically designed to provide control of AHUs (air handling units), VAVs (variable air volume units), RTUs (roof top units), and FCUs (fan coil units) for full management of indoor environmental conditions.

When combined with Schneider Electric's Intelligent Thermostat (I/STAT), or thermistors, these controllers provide standalone direct digital control capability.

The I/STAT is TAC INET's Intelligent space sensor with local temperature and setpoint display, override select and setpoint adjustment.

The I/STAT displays data, such as local temperature and setpoint information, as well as programming information with input at the I/STAT keypad. It also indicates which user-selected and user-configurable parameter – such as temperature setpoint, fan speed, room temperature, or outside temperature – is currently displayed. The user has total control of the actual value/point displayed and can program it from the TAC I/NET software or via the I/STAT keypad.

Schneider Electric environmental controllers

- Flexible design and I/O point configuration
- Standalone or networked application
- Direct digital control (DDC)
- Modular, object-oriented programming
- Energy management
- Historical data collection
- Extensive math/logic package
- Telephone interface
- Intelligent space sensors

Schneider Electric environmental controllers deliver industry-leading TAC I/NET quality and performance customers have come to expect, with features and functions to meet every need.

Contact your Schneider Electric representative or visit our website at www.schneider-electric.com/buildings to learn more.

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On October 1st, 2009, TAC became the Buildings Business of its parent company Schneider Electric. This document reflects the visual identity of Schneider Electric, however there remains references to TAC as a corporate brand in the body copy. As each document is updated, the body copy will be changed to reflect appropriate corporate brand changes. All brand names, trademarks and registered trademarks are the property of their respective owners.