

# Meeting your performance requirements 24/7

## TAC I/NET

Network Controllers



Make the most of your energy

**Schneider**  
Electric



**Robust functionality  
with the flexibility  
you need**

## Versatile Schneider Electric network interface controllers satisfy a variety of performance demands

All Schneider Electric network controllers deliver integration and control solutions across virtually any networking application.

The 7798 I/SITE™ LAN controller, 7793 MicroController Interface, and 7728 I/SITE controller provide TAC I/NET™ connectivity to a wide range of network applications.

### Security control

Schneider Electric network controllers help integrate building security via Access-initiated Control and Elevator Control operations. Functions resident in both the door processing unit (DPU) and the controller are:

- Personnel schedules
- Door parameters
- Door mode schedules

**Access-initiated Control** tracks and manages a number of functions according to user-defined conditions. Access-initiated control sequences may be assigned to activate only for specific tenants, specific doors, specific groups of people, or a designated individual. They can also create system-wide sequences of operations, such as turning on a tenant's HVAC and lighting when someone enters a building after-hours – but only in areas relevant to the individual concerned.

**Elevator Control** supports systems with up to 64 floors and 31 Schedules per cab. Local parameters – including “Who...Goes where...When” information downloaded to the DPU enable it to operate independently. This ensures rapid access processing and no single point of failure. The network controller backs up the DPU's database for many parameters.

### Environmental control

Schneider Electric's network controllers make it easy to manage a variety of environment control conditions.

**Automatic Temperature Control**, managed via Automatic Time Scheduling, self-adjusts the heating or cooling providing normal temperature control as well as setup/set back control including user-specified deadbands.

**Demand Limiting** continuously monitors and records the rate of electrical power consumption. During peak demand, the system can automatically shed controlled loads or change setpoints according to seven discrete user-defined priorities, then restore standard parameters when conditions return to normal.

**Automatic Time Scheduling** provides a full year's schedule, including multiple start/stop times, special days, and temporary inputs for each load.

**Calculated Points** are used to perform special calculations required by the system.

**Event-initiated Control** provides control sequences with time delay options based on state changes, value crossings, alarms, returns to normal, or specified states of one or more points.

**Downloadable Firmware.** Complete executable software is downloaded through a locally connected PC, the modem, or the Controller LAN. This eliminates the need to visit the controller for enhancements or revisions.

**Online Editing Capability.** Network controllers feature direct online edit capability via a local, remote, or portable PC for instant modification of all parameters. Changes as simple as time schedule updates or as comprehensive as chiller optimization strategies can be made quickly and easily online with self-prompting editors and context sensitive help screens.

- Support for up to 64 security and/or environmental controllers
- Support for intelligent I/STAT™ sensors
- Global control functions
- Easy-to-use operator interface
- Comprehensive historical data buffering, collection and reporting

### Powerful and versatile Network controls

Schneider Electric network controllers offer robust functionality with the flexibility you need for even your most complex network configuration. Comprehensive, historical data buffering, collection and reporting capabilities make every network controller a valuable resource for auditing, calibrating and troubleshooting system performance.

### Programming and operator Interface

Modular, object-oriented programming makes changing configurations and operational parameters fast and easy for any user. Schneider Electric's ViewCon, user-friendly operator interface, facilitates operations further with self-prompting menus, "smart" function keys and user-defined names for points.

ViewCon allows authorized users to:

- View status or value
- Control doors to a state or value
- View alarms and acknowledge
- Place points in test or manual override
- Assign or override time schedules
- Change setpoints and set alarm limits
- Obtain all points or custom summaries
- Edit certain local controller parameter (e.g., resident I/O, DCU setup, time schedules)

### Network controller design

Schneider Electric network controllers feature removable terminal blocks, downloadable firmware, onboard modem drivers, and communications ports, with processing, memory and communications functions combined on a single printed circuit board (PCB) for increased reliability. The inherent reliability of this design is further enhanced with extensive transient protection, automatic self-test features, and a fiber optics communications option.

The 7728 I/SITE I/O features onboard inputs and outputs for precise control of standalone HVAC package units. Combined with the ViewCon and its two Intelligent I/STAT sensors, the 7728 is ideal for providing creature comfort as well as responsive energy management.

The 7798 I/SITE LAN with ViewCon contains one sub-LAN port for connection of up to 32 devices in any combination of DPUs, MRs and ASCs.

The 7793 MicroController Interface (MCI) contains two sub-LAN ports for connection of up to 64 devices in any combination of DPUs, MRs and ASCs.

Schneider Electric network controllers deliver the 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](http://www.schneider-electric.com/buildings) to learn more.

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