

SE7600W Series



Water source heat pump controller

The new Schneider Electric™ SE7600W water source heat pump controller with dedicated dehumidification sequences provides exceptional control of water source heat pumps for commercial buildings. Common indoor air-quality issues such as mould, mildew, condensation, poor occupant comfort, and overall building health can be effectively resolved in an energy efficient manner using our new controller. Simple to install and commission, this wall-mounted device monitors water temperature as well as other points, which offer added value without the additional costs related to more complex systems.

Designed for new construction and retrofit projects, the Schneider Electric water source heat pump controllers dramatically decreases project delivery costs by reducing installation, configuration, and commissioning time. No complex software or tools are required to customise functionality to meet your required applications. The Schneider Electric water source heat pump controller provides all the advanced features and monitoring functions required by most modern building automation systems in one simple “thermostat-like” enclosure.

The Schneider Electric water source heat pump controllers also feature an intuitive menu-driven, and backlit LCD display that guides users through the configuration steps, making configuration extremely simple. This menu is used to configure parameters such as temperature, time events, system mode, and fan mode.

Open protocol design provides compatibility to BACnet® MS/TP and wireless ZigBee® network systems. Our network ready “standalone” versions can be field retrofit with optional communication modules, which enable the controllers to be integrated into virtually any leading building automation system as building requirements change.

All models can be customised with passive infrared (PIR) motion sensor functionality via an optional PIR accessory cover. The PIR cover can be ordered as a factory-installed option. PIR functionality provides advanced occupancy routines and automatic energy savings during occupied periods without sacrificing occupant comfort.

When compared to traditional building automation controllers, the Schneider Electric wall-mounted SE7600W water source heat pump controller with RH control for dehumidification provides building owners with unmatched return on investment while maximising profits for system integrators.

Features and benefits

Features	Benefits
Built-in dehumidification strategies	Resolve common building issues such as mould, mildew, and condensation
Extra monitoring points provided	Provide better remote view of system performance
Open protocol allows for easy integration into any network system	Allows the end user to choose the best network system based on building requirements
Controllers are network ready and can be field retrofit with optional communication modules	Integration into a network system can be made at any time without losing initial hardware investment
One simple wall-mounted device to install, wire, and commission	Lower overall installation costs and faster return on investment
Familiar “thermostat- like” look and feel	Simplified user interface is easy to understand and navigate
Application-specific controllers	Can be configured to meet most applications
No special software required for configuration	Lower costs associated with configuration
Fully embedded local configuration utility	Provides quicker and less expensive setup
Factory-installed PIR sensor or PIR-ready controller	Provides additional automatic energy savings
Advanced occupancy and monitoring functions	Allows for more flexible energy savings
Available with or without 7-day scheduling	Allows for scheduling functions even in standalone models

SE7600W Series ordering matrix

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Programmability:
 -0 = No local scheduling/
 non programmable
 -5 = Local scheduling/
 programmable

PIR options:
 -50 = PIR ready, but PIR cover
 not included
 -55 = Factory assembled with
 PIR cover

Communication options:
 -B = BACnet MS/TP
 -E = Echelon®
 -W = ZigBee wireless
 - = Network ready

Example:
SE7652H5045E

- Roof top controller
- Local scheduling or programming
- 2H/2C application
- PIR ready
- Echelon wireless communication

Economiser/humidity control:
 -0 = No local scheduling/non programmable
 -2 = Local scheduling/programmable
 -5 = With economiser, no local scheduling/non programmable
 -6 = With economiser, local scheduling/programmable
 -7 = With humidification/dehumidification control

* Some part number configurations may not be available. Please refer to the tables for available versions.

Please refer to the SE7000 Series - Product Comparison Guide for all available part numbers. The latest SE7000 Series - Product Comparison Guide is available as a pdf document on the web at: <http://schneider-electric.com/buildings>.