SE7600 Series

Smart energy management has never been easier than with the SE7600 series roof top and heat pump temperature controllers. Designed for new construction and retrofit projects, the controllers dramatically decrease total installed costs by reducing installation, configuration and commissioning time. No complex software or tools are required to customize functionality to meet your applications requirements. They provide all advanced features and monitoring functions required by modern building automation systems in a simple, "thermostat like" enclosure.

The SE7600 series offers control of staged heating and cooling equipment such as packaged roof top units and heat pumps for commercial buildings. Advanced models are available with built-in economizer or humidity strategies.

Open protocol design provides network compatibility to BACnet® MS/TP, Echelon Lontalk® and Wireless ZigBee® network systems. Our Network Ready" stand-alone" versions can be field retrofit with optional communication modules which enable the controllers to be integrated into most building automation systems as budgets allow or as the building requirements change.
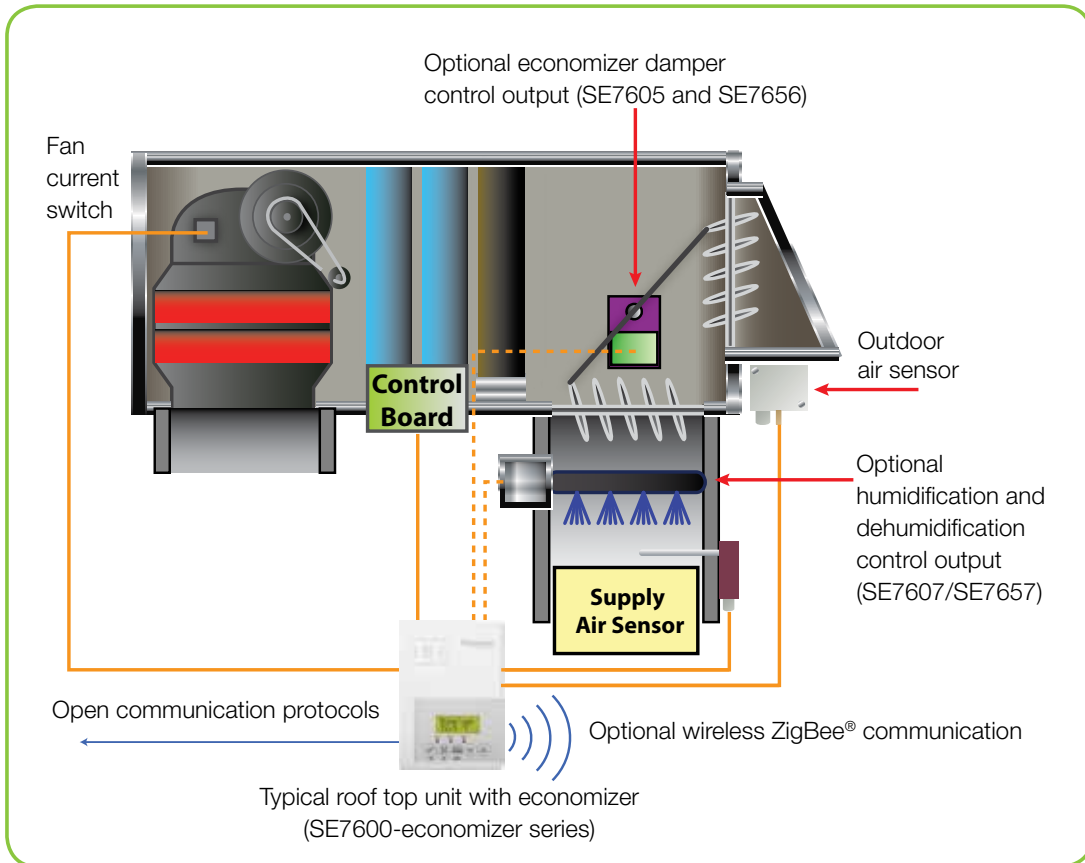
All models can be customized with PIR motion sensor functionality via an optional PIR accessory cover. The cover can be installed in the field or ordered as a factory installed option. This provides advanced occupancy routines and automatic energy savings during occupied periods without sacrificing occupant comfort.

When compared to traditional building automation controllers, the SE7600 series roof top and heat pump wall mounted controllers provide unmatched return on investment to building owners while maximizing profits for system integrators.

Product Highlights

- Open protocol allows for easy integration into most network systems
- Network Ready models can be retrofit with optional communication modules
- One simple wall mounted device to install, wire and commission
- Intuitive "thermostat like" interface
- Application specific controllers can be configured to meet most applications
- No special software required for configuration
- Fully embedded local configuration utility
- Advanced occupancy and monitoring functions through factory or field installed PIR cover
- Available with or without 7 day scheduling
- Single-stage, multi-stage and heat pump models available
- Available with economizer or humidity strategies

Schneider Electric

Optional economizer damper
control output (SE7605 and SE7656)

Fan
current
switch

**Control
Board**

Outdoor
air sensor

Optional
humidification and
dehumidification
control output
(SE7607/SE7657)

**Supply
Air Sensor**

Open communication protocols

Optional wireless ZigBee® communication

Typical roof top unit with economizer
(SE7600-economizer series)

Simplified HMI

RoomTemp
72.5 °F

FAN   HEAT   COOL

YES   NO   MENU

Unique 5 button menu driven user interface
simplifies programming and commissioning
time during typical installation of unit.

Please refer to the following matrix when ordering controllers:

SE7600 Series ordering

SE76 ☐ ☐ ☐ ☐ ☐ 45 ☐

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

Economizer / Humidity Control:
-0 = No local scheduling
       / Non programmable
-2 = Local scheduling
       / programmable)
-5 = With economizer
       No local scheduling
       / Non programmable
-6 = With economizer
       Local scheduling
       / programmable
-7 = With Humidification
       / Dehumid. control

Application:
-A = 1H / 1C roof top
       unit applications
-B = 2H / 2C roof top
       unit applications
-H = 3H / 2C heat pump
       applications

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

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

* Some part
number
configurations
may not be
available.

Schneider Electric   One High Street, North Andover, MA 01845 USA   +1 800 794 0800   www.schneider-electric.com/buildings