



Terminal Unit Controllers

TUC03

Configurable Terminal Unit Controller

The TUC03 configurable Terminal Unit Controller is designed specifically to provide direct digital control of terminal unit applications with heating and/or cooling coils, an electric heater and a three-speed or variable speed fan.

These applications include close control units, fan coil units, unit ventilators and chilling or heating ceiling beam installations.

The device can be configured by the installer, without the need of a PC and software tool, using a set of on-board dip-switches.

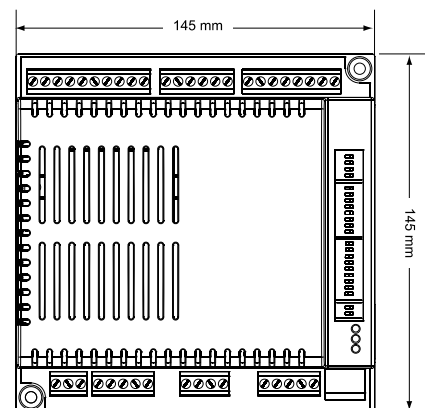
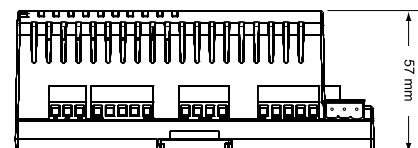
The controller is designed for field installation in a panel or enclosure or for mounting by original equipment manufacturers (OEMs) on DIN-rail or directly on a surface.

The space comfort set point, occupancy mode and fan speed may be adjusted from a wide range of room sensor modules with options for a digital display.

Communication options are available to enable the controller to be integrated into an N2 Open or BACnet® network of a building automation system. The BACnet interface of the controller complies with the ANSI/ASHRAE Standard 135-2004 for sharing data other devices on the network.

Features

- ▶ Field Selectable application type, communication protocol and room module, via dip-switches on controller
- ▶ 230 VAC power supply
- ▶ 5 VDC / 15 VDC / 24 VAC power supply for field devices, directly provided by the controller
- ▶ Modular range of room sensor modules
- ▶ Network communications options - N2 Open and BACnet MS/TP
- ▶ BACnet MS/TP with peer to peer communication
- ▶ Configurable using standard tools



Dimensions in mm

Ordering information

Codes	Description
TUC0301-2	230 VAC N2 / BACnet Terminal Unit Controller, no cover
TUC0311-2	230 VAC N2 / BACnet Terminal Unit Controller

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Ordering information

Room Sensor Modules

Codes	Description
With LCD display and Integrated IR Receiver	
LP-RSM003-000C	Room Sensor Module, wall mount
LP-RSM003-001C	Room Sensor Module, horizontal flush mount
LP-RSM003-003C	IR receiver w/ integrated temperature sensor
LP-RSM003-004C	IR hand held remote control unit
Without display - 80 mm x 80 mm	
TM-2140-0000	Room sensor module, temperature sensor only
TM-2150-0000	Room sensor module, occupancy button and LED
TM-2160-0000	Room sensor module, 12-28 °C setpoint dial, occupancy button and LED
TM-2160-0002	Room sensor module, 12-28 °C setpoint dial, occupancy button and LED, fan speed override
TM-2160-0005	Room sensor module, +/- setpoint dial, occupancy button and LED
TM-2160-0007	Room sensor module, +/- setpoint dial, occupancy button and LED, fan speed override
TM-2190-0000	Room sensor module, 12-28 °C setpoint dial
TM-2190-0005	Room sensor module, +/- setpoint dial
With backlit LCD display - 80 mm x 80 mm	
RS-1180-0000	Room Sensor module, 12-28 °C setpoint dial
RS-1180-0005	Room Sensor module, +/- setpoint dial
RS-1180-0002	Room Sensor module, 12-28 °C setpoint dial, fan speed override
RS-1180-0007	Room Sensor module, +/- setpoint dial, fan speed override

Accessories

Codes	Description
LP-KIT003-010C	Remote temperature sensor, NTC 50k Ω , bulb, 80 cm leads
LP-KIT003-011C	Remote temperature sensor, NTC 50k Ω , wall mount, decorative box
LP-KIT003-012C	Remote temperature sensor, NTC 50k Ω , duct mount
LP-KIT003-013C	Remote temperature sensor, NTC 50k Ω , wall mount, decorative box
HX-9100-8001	Condensation (dew point) sensor
TS-6340K-F00	Remote temperature sensor, NTC 10k Ω , bulb, 200 cm leads
TS-6340C-E10	Remote temperature sensor, NTC 10k Ω , ceiling



LP-RSM003-000C



LP-RSM003-001C



RS Series



TM Series



LP-RSM003-003C
and LP-RSM003-004C