

Programmed empowerment

Take ownership of your personal environment with the Reliable Controls® SMART-Space Controller™ (SSC), a fully programmable BACnet® controller with multi-sensor capability and ten-point, on screen direct control.



Better by design

www.reliablecontrols.com/SSC

TECH SPECS

Supply Voltages

- 24 VAC/VDC, 10–65 VA depending on the model

Display

- Four 0.6" digits, Six 0.3" characters
- Eleven icons: Auto, On, Off, Cool, Occupied, Heat, Fan, Fan Speed, AM, PM, and Day of the Week
- Backlit for easy viewing in dim light
- Display Area 36 mm x 36 mm (1 3/8" x 1 3/8")

Temperature Specifications

- 12-bit A/D converter
- Range: 0 °C to 40 °C (32 °F to 104 °F)
- ± 0.1 °C (0.18 °F) resolution
- User calibrated to ± 0.1 °C (0.18 °F) accuracy

Humidity Range (for -H models)

- 0.1% resolution
- 10–90% range
- ± 1.8% RH accuracy

Occupancy Sensor (for -OC models)

- Passive Infrared Radiation (PIR) sensor
- 64 detection zones
- 100° horizontal range / 82° vertical range
- 5 m (16.4 ft.) max. detection distance

Buttons

- 3 custom silicon rubber buttons
- Button functions: select, plus, and minus

X-Port-2

- Access port for PC connection using X-Port-2™ converter

Communications

- MS/TP BACnet slave @ 76800 baud max with AutoBaud
- Up to 200 SSCs per network

Inputs

- 12-bit A/D converter
- Up to 4 inputs
- 1 dedicated temperature sensor
- Jumper selectable 0–10 VDC, 4–20 mA, thermistor / dry contact

Outputs

- Up to 4 outputs (combination of universal and TRIAC)
- Universal supplies 12 VDC 20 mA @ 12-bit DAC
- TRIAC switches 24VAC @ 0.5 A

Real-Time Clock (optional)

- ± 1 second per day

Memory/RTC Backup

- 72 hour backup
- 10 years for database

Dimensions

- 12 cm L x 7 cm W x 2.4 cm H (4 3/4" L x 2 3/4" W x 15/16" H)

Weight

- 0.12 kg (0.254 lb.)

Ambient Limits

- Operating: -20 °C to 55 °C (-4 °F to 131 °F)
- Shipping: -40 °C to 60 °C (-40 °F to 140 °F)
- Humidity: 10% to 90% RH non-condensing

FEATURES

Aesthetic Design

- Smooth contour lines
- Slim profile

Protocol

- BACnet MS/TP Slave

4 Control-BASIC Programs

- User programmable control strategy in a readable, BASIC-like language
- 1000 bytes per program

Up to 4 Inputs

- 1 dedicated temperature sensor
- Universal ranges
- Jumper selectable 0–10 VDC, 4–20 mA, thermistor/dry contact

Up to 4 Outputs

- Jumper selectable to be universal or TRIAC
- Universal supplies 0–12 VDC, 20 mA @ 12-bit DAC
- TRIAC switches 24 VAC @ 0.5 A

32 Variables

- Selectable standard and custom ranges, as well as fixed or program-driven values

2 PID Loops

- Standard P, PI, or PID controller for closed loop control

2 BACnet Trend Log Multiple

- Capable of storing program-timed or runtime-triggered values
- Up to 8 points per trend

1 System Group

- Allows related points to be grouped on to one display
- 30 points per group

1 BACnet Schedule

- Time value pairs for each weekday

2 Custom Tables

- For creating custom input ranges and Control-BASIC lookup tables

LCD

- Displays up to 10 points
- Adjustable backlight timeout

Warranty

- 5 years
- 1 year for humidity sensor

ORDERING

SSC (standard model)

- 3 inputs (2 universal inputs and 1 dedicated temperature sensor)
- 2 outputs (jumper selectable to be universal or TRIAC)

SSCE (enhanced model)

- 4 inputs (3 universal and 1 dedicated temperature sensor)
- 4 outputs (2 outputs jumper selectable to be universal or TRIAC, and 2 dedicated TRIAC outputs)

SSCP (package model)

- 4 inputs (3 universal and 1 dedicated temperature sensor)
- 4 outputs (1 jumper selectable to be universal or TRIAC, 3 dedicated TRIAC outputs)

Options

- C adds real-time clock and backup
- D adds °C / °F selector switch
- H adds humidity sensor
- OC adds occupancy sensor

APPLICATION DIAGRAM

