

RS

Intelligent Room Sensors



RS Standard



RS Plus



RS Pro



RS Pro F

Automated Logic's line of intelligent sensors includes the RS Standard, RS Plus, RS Pro and RS Pro F and is designed for use with the ZN, SE, ME line controllers and Room Controller. The RS Plus offers a local set point adjustment and override to an occupied mode and LED indication of current status. The RS Pro has a large LCD display and easy-to-use occupant controls. The RS Pro F includes additional functions ideal for fan coil units operating with multiple fan speeds. All sensors provide precision measurement and communication capabilities in attractive low profile enclosures. A hidden communications jack provides local access to the HVAC control system for commissioning and maintenance.

Key Features and Benefits

All Room Sensors:

- Attractive, low profile enclosure in a neutral color complements any room.
- Precise 10K ohm thermistor with + 0.36°F (0.2°C) standard accuracy and less than 0.18°F (0.1°C) drift over a ten year span – requires no maintenance or re-calibration.
- A hidden communication port allows a laptop computer to be connected to the HVAC Control System.
- Multiple RS room sensors can be daisy-chained to one controller for temperature averaging or high/low select control. (One RS Plus, RS Pro or RS Pro F with up to four RS Standards.)
- Mounts on a standard 2" by 4" electrical box for easy installation.

RS Plus:

- Features a convenient local setpoint adjustment through an easy to use slide potentiometer.
- Occupancy override is simple using the momentary push button on the RS Plus with a bright LED for immediate indication of status. When the override button is pressed during an unoccupied mode, the zone reverts to an occupied setpoint for a predetermined period of time.

RS Pro/RS Pro F:

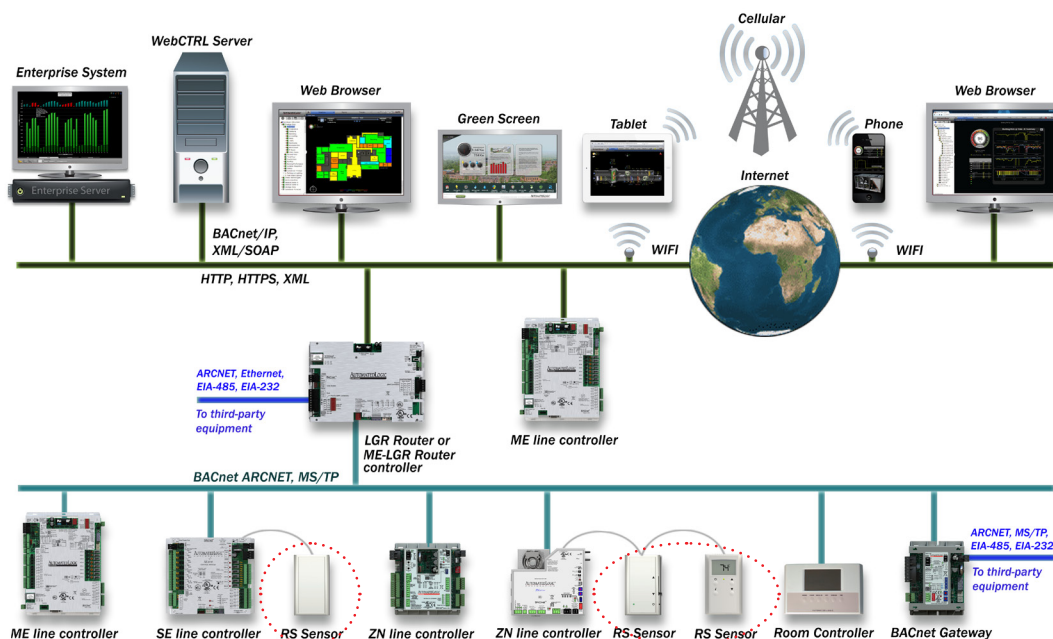
- Large, easy-to-read LCD on the RS Pro displays zone temperature, outside air temperature, heating setpoint, cooling setpoint, and local override (after-hours occupancy) time.
- Occupancy override is easy using the "Manual On" momentary pushbutton on the RS Pro. A single push switches the zone to an Occupied mode for a preset period of time. Multiple pushes increase the override time, and the LCD displays precisely how long the zone will stay occupied. The occupied time per push and maximum override time are fully programmable in EIKON®.
- Zone setpoints can be easily changed on the RS Pro by pressing the "Warmer" or "Cooler" button. How much each push affects the setpoint and the maximum total adjustments are fully programmable in EIKON.
- Pressing the "Fan Speed" button on the RS Pro F incrementally adjusts the fan speed of the fan coil unit. The "Mode" button can be used to select among several zone operation modes as programmed in EIKON.

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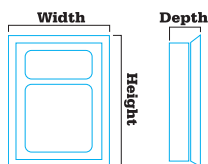
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RS

Specifications



Communication:	115 kbaud Rnet
Power:	ZN, SE, or ME line Controllers
Sensing Element:	Precision Thermistor. Standard accuracy $\pm 0.35^{\circ}\text{F}$ (0.2°C). Less than $\pm 0.18^{\circ}\text{F}$ (0.1°C) drift over a 10 year period. Range: 50°F - 95°F (10°C - 35°C).
Wiring:	Remote mounting up to 500 ft. is via four conductor shielded cables - 18 AWG if using BACview on the Rnet, 22 AWG if using only RS sensors on the Rnet.
Local Access Port:	5 pin port for commissioning and maintenance.
Mounting:	Standard 2" by 4" electrical box using 6-32 by 1/2" mounting screws provided.
Overall Dimensions:	2-3/4" (width) by 4-3/4" (height) by 5/8" (depth) (depth is a maximum 15/16"). 70mm (width) by 120mm (height) by 16mm (depth) (depth is a maximum 24mm).



Features*

	RS Standard	RS Plus	RS Pro	RS Pro F
Low profile design, neutral color	✓	✓	✓	✓
Precise 10K ohm thermistor	✓	✓	✓	✓
Requires no maintenance or re-calibration	✓	✓	✓	✓
Hidden communication port	✓	✓	✓	✓
Can be daisy-chained to one controller	✓	✓	✓	✓
Mounts on a standard 2" by 4" electrical box	✓	✓	✓	✓
Convenient local setpoint adjustment		✓	✓	✓
Simple occupancy override		✓	✓	✓
Large, easy-to-read LCD			✓	✓
Easily changed zone setpoints			✓	✓
Fan speed control				✓

*See Key Features and Benefits for specific details.

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