AMERICAN AUTO-MATRIX®

SBC-STAT/RH™ Temperature & Humidity Sensors

American Auto-Matrix's SBC-STATs and RH sensors are ergonomically designed two-wire polarity insensitive "smart" sensors designed in multiple variations to insure the flexibility you need to monitor zone temperature and zone humidity; modify set-points and control parameters; and even customize jobs by creating custom logos on a true graphical display. We believe in providing superior products that offer quality coupled with easy to understand solutions that help reduce installation cost and time. That is why our RH sensors and STATs are designed smart.

FEATURES

- Polarity insensitive wiring for error-free installation
- Two wires for power and communication
- Digital sensor for highly accurate readings of +/- 2%
- Easy set-point adjustment via push-buttons
- True graphical display: 122x32 pixels
- Tri-color LED for system-state identification
- Red LED for override indication and setpoint adjustment
- Interchangeable faceplate for simple upgrades/downgrades
- Easy building network connectivity through an RJ-11 jack (optional)
- Electronics mounted in faceplate so premounting of backplate can occur for installation
- Customizable logo and value display sequences when utilized with the GPC controllers

American Auto-Matrix Temperature and Humidity Sensors Product Reference

STAT Visual								
	°F	°F	%RH	°F	°F	°F/°C	%RH	°F / %RH
STAT Versions	**STAT1**	**STAT1D**	**RH1***	**STAT2**	**STAT2D**	**STAT3**	**RH3***	**RHT**
Temperature Sensor	•	•		•	•	•		•
Humidity Sensor			•				•	•
Graphical LCD Display						•	•	•
Digital Communications via STATbus		•	•		•	•	•	•
Set-Point Indication via LED				•	•	•	•	•
Graphical Set-Point Indication						•	•	•
Occupancy Override of Controller Schedules				•	•	•	•	•
Menu-based Access to Controller Properties						•	•	•
Customizable Logo / Value Display Sequences *						•	•	•
Menu-based Air Balancing **						•		

*GPCx Family only. **VAVxx, V3T only.
Please note: Controller compatibility does vary. Refer to the Controller Hardware comparison on the AAM ToolBox or call 1-877-AAM-HVAC (226-4822) to learn more.

Model
SBC-STAT1, STAT1-D, RH1

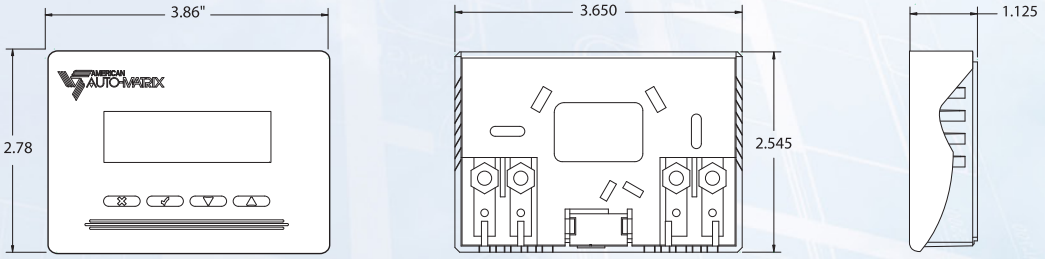
Model
SBC-STAT2, STAT2-D

Model
SBC-STAT3, RH3, RHT

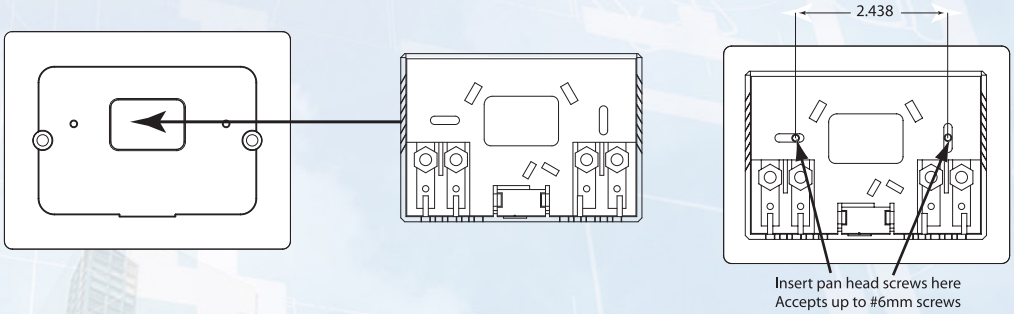
Customize STAT/RH models with custom graphics and value display

Smart Building Solutions®

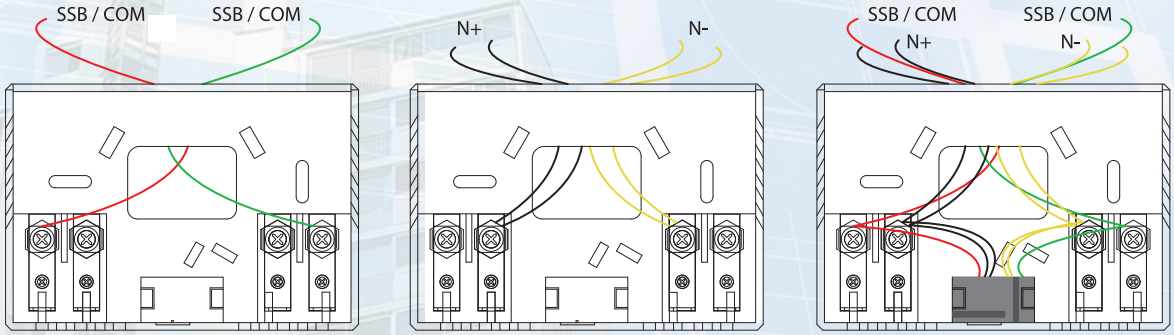
STAT/RH DIMENSIONS - Applies to all STAT/RH Models



STAT/RH MOUNTING



STAT/RH WIRING - Sensor Only Wiring, Network Only Wiring, Optional Network Jack



SPECIFICATIONS

SBC-STAT1 & SBC-STAT2
- Sensor Temperature Range: 30 to 140˚ ± 0.24 F (2 to 60˚ ± 0.13˚ C)
- Sensor Temperature Resolution: ± 0.36˚ F (± 0.2˚ C)

STAT1-D, STAT2-D, STAT3
- Sensor Temperature Range: 50 to 122˚ ± 0.9 F (10 to 50˚ ± 0.5˚ C)
- Sensor Temperature Resolution: ± 0.1125˚ F (± 0.0625˚ C)

SBC-RH1 & SBC-RH3
- Sensor Humidity Range: 0 to 100˚ ± 2%
- Sensor Resolution: 1%

SBC-RHT
- Sensor Humidity Range: 0 to 100˚ ± 2%
- Sensor Resolution: 1%
- Sensor Temperature Range: 50 to 140˚ ± 0.9 F (10 to 60˚ ± 0.5˚ C)
- Sensor Temperature Resolution: ± 0.018˚ F (± 0.01˚ C)

Dimensions: 2.78" x 3.86" x 1.03" in (7.06 x 9.80 x 2.62 cm) 4.0 oz (113.5 g)

Operating Conditions:
- Temperature: 32˚ F to 122˚ F (0˚ C to 50˚ C)
- Humidity: 0 to 90% RH non-condensing
- Altitude: up to 2,000m

Agency Approvals:
UL listed 916, Enclosed Energy Management Equipment
Complies with FCC rules Part 15, Class B Computing Device
Complies with CE directives and standards

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Cylon ENERGY

Part No. 1E-05-00-0080

American Made