



**SARB**



## Networkable IAQ Room Sensors

### SARB Features

- One analog input (**AI1**) readable via network
- One binary input (**BI1**) readable via network
- Two analog outputs (**2 AO**) commandable via network
- Two binary outputs (**2 BO**) commandable via network
- Enthalpy and dew point calculations (available via network)
- Display or hide all the required access for user interaction
- Backlit LCD with simple icon and text-driven menus
- Selectable Fahrenheit or Celsius scale
- BACnet® MS/TP or Modbus (selectable via menu)
- Select MAC address via menu or via network
- Automatic baud rate detection
- Network service port via on-board mini USB connector

### PCB Overview



- COM** (-) Common
  - 24 Vac/Vdc** (+) 24Vac
  - BO1 COM** (ext 24V)
  - BO1** Binary Output 1\*
  - BO2 COM** (ext 24V)
  - BO2** Binary Output 2\*
  - COM**
  - AI1** Analog Input 1\*
  - COM**
  - BI1** Binary Input 1\*
  - AO1** Analog Output 1\*
  - COM**
  - AO2** Analog Output 2\*
  - A+** BACnet or Modbus
  - B-** (to BMS)
- \* I/Os commandable via network

Model	Temp	RH	CO <sub>2</sub>	VOC
SARB24TG	●		●	
SARB24TV	●			●
SARB24TGH	●	●	●	
SARB24TGVH	●	●	●	●



**SAR**



**IAQ Room Sensors**

**SAR Features**

- CO<sub>2</sub> sensor feedback output (**AO1**)
- CO<sub>2</sub> warning and alarm level outputs (**BO1** and **BO2**)
- Humidity or VOC sensor feedback output (**AO2**)
- Input voltage 24Vac or 24Vdc

**On-Board Sensors**

Model	Temp	RH	CO <sub>2</sub>	VOC
SAR24GH		●	●	
SAR24GV			●	●

**PCB Overview**

