

QAA2040 Room Temperature Sensor

Description

The Room Temperature Sensor mounts directly on a wall and monitors the temperature of air in the room. It transmits changes in room temperature to the building control system. The sensor incorporates a precision T1 temperature sensing element to accurately and reliably measure temperature.

Product Number

QAA2040

Features

- Suitable for retrofit or add-on jobs.
- Responsive to temperature change.
- Familiar installation requires no special tools.



QAA2040 Room Temperature Sensor.

Specifications

Functional Data

Range of use:	32°F to 122°F (0°C to 50°C)
Sensing element:	T1 PTC Thermistor
Time constant	Approximately 7 minutes
Measuring accuracy	
PTC Thermistor,	± 1.1°F (± 0.6°C)
across range	
Type of measurement	Passive

Protective Data

Degree of protection	IP 30 to IEC 529
Safety class	III to EN 60730

Electrical Connections

Screw terminals for	2 × 1.5 mm ² or 1 × 2.5 mm ²
Permissible cable lengths	Controller dependent. See the controller's data sheet.

Environmental Conditions

Operation	
Temperature	32°F to 122°F (0°C to 50°C)
Humidity	<85% rh
Transport	
Temperature	-13°F to 149°F (-25°C to 65°C)
Humidity	<95% rh
Mechanical environmental conditions	Class 2M2

Materials and colors

Housing front	ASA+PC, NCS S 0502-G
Bottom	(White)
Base	ASA+PC, NCS 2801-Y43R
Sensor (complete assembly)	(Gray)
	PC, NCS 2801-Y43R (Gray)
	Silicone-free

Weight	3.5 oz (0.1 kg)
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