SIEMENS

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4-20 mA Room Temperature Sensors

The room housing incorporates ventilation slits around the perimeter for accurate sensing of the controlled space. The Siemens logo is also featured on the front.

The sensor mounts either directly on drywall or on a 2 ×4 box with an accessory (see *Accessories Ordering Information*). No calibration or maintenance is required.

Specifications

Temperature mounting range	See Table 1.
Output signal	4-20mA
Elements	Platinum RTD
Accuracy	See Table 1.
Reference resistance at 32°F (0°C)	100 Ω

Figure 1. Room Sensor.

Description

The 4-20 mA room temperature sensors provide input for accurate loop powered temperature sensing (detecting) via a 20 AWG twisted, shielded cable pair. The loop current varies according to the temperature being measured. Several models are available with different temperature ranges for sensing applications.

Table 1. Sensor Specifications.

Application	Temperature Range (Transmitter and Sensor Combined)	Element Package	Product Number
Room – Sensing only	40°F to 90°F/±0.7°F (4°C to 32°C/±0.3°C)	Series 1000 Room Housing	536-752*
	20°F to 120°F/±0.7°F (-7°C to 49°C/±0.3°C)		536-753*

* Add letter suffix to indicate desired color: A = Desert Beige; B = White: BN = White, No Logo

Accessories Ordering Information

Description	Product Part Number
Blank Bezel, 25-pack, (Beige)	544-482A
Blank Bezel, 25-pack, (White)	544-482B
Single Adapter Base Kit (Beige)	544-782A
Single Adapter Base Kit (White)	544-782B
Double Adapter Base Kit (Beige)	544-783A
Double Adapter Base Kit (White)	544-783B
Non-Conduit Rough-In Kit	544-784
Extender Ring Kit (Beige)	544-785A
Extender Ring Kit (White)	544-785B

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