



Installation and Maintenance Manual

IM 869-4

Group: **Applied Air Systems**

Part Number: **IM869-4**

Date: **March 2024**

Maverick® I, Maverick® II, Rebel®, Rooftop and Self Contained Analog Wall-mounted Sensors



Part Number 113117701



Part Number 113117801

Overview

There are two types of sensors:

- Analog Sensor with timed override button
- Analog Sensor with timed override button and set-point adjustment

Hardware Provided

- Remote wall-mounted temperature sensor
- Black insulator sheet
- 1/16" hex key wrench
- Two Allen screws
- Two wall mounting screws
- Friction-tight knob (analog sensor with set-point adjustment only)

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Installation

Mounting Instructions

1. Remove the friction-tight knob from the wall sensor (only on Analog sensor with set-point adjust).
2. Remove the cover using the 1/16" hex key wrench to drive in each of the two Allen screws.
3. Select an appropriate location for mounting the sensor. Mount approximately five feet above the floor on an interior wall. Avoid direct sunlight, heat-producing appliances, and vents or ducts.
4. Bring appropriate number of wires from Terminal Block 2 of the unit through the insulator sheet and then through the hole in the center of wall sensor.
 - a. Two wires for the analog sensor with timed override.
 - b. Three wires for analog sensor with set-point adjustment.
5. Connect wire terminals as shown in each figure represented by their respective sensors.
6. Mount the sensor and insulator sheet using the hardware provided.

Termination

The analog zone/space sensor consists of a 10K ohm type II thermistor with a tenant override button and optional setpoint adjustment knob (depending on selected sensor). Wire terminal numbering for Rebel sizes 003-015, all sizes Maverick II, Self Contained, and Rooftop (e.g. RPS) are the same. Terminal numbers for Rebel sizes 016-028 tons are different from the other rooftop units using MicroTech® unit controllers. Corresponding wiring diagrams are shown starting on [page 4](#) for Rebel 003-015, Maverick II, Self Contained, and Rooftop. Rebel 016-028 unit diagrams begin on [page 5](#). On Maverick I units the sensor wires are directly wired back to the DDC controller as shown in [Figure 10](#) and [Figure 11](#) on [page 6](#).

Maverick II, Rebel 003-015, Self-Contained, and Rooftop Wiring

CAUTION
 Miswiring field-installed accessories or sensors can damage the controller. Do not deviate from the prescribed wiring directions in this document.

Figure 2: Analog Sensor with Tenant Override (PN 113117701)



Figure 4: Analog Sensor with Tenant Override and Set Point Adjustment (PN 113117801)



Table 2: PN 113117801 Terminal Locations (TB2)

Maverick II, Rebel 003-015, Self-Contained, and Rooftop Terminal Location	Sensor Terminal Location
132	P
120	S
121	C

NOTE: Shield wire is to be grounded at the unit chassis only.

Table 1: PN 113117701 Terminal Locations (TB2)

Maverick II, Rebel 003-015, Self-Contained, and Rooftop Terminal Location	Sensor Terminal Location
120	S
121	C

Figure 3: PN 113117701 Wiring Diagram

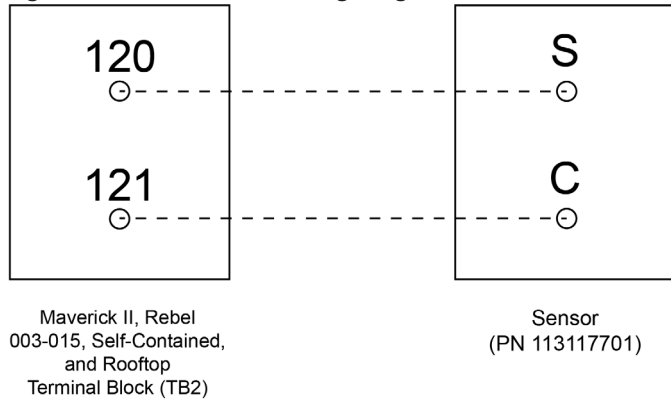
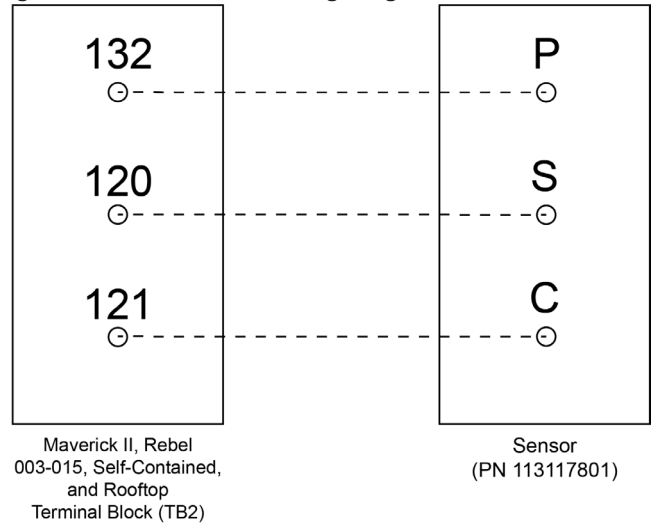


Figure 5: PN 113117801 Wiring Diagram



Rebel 016-028 Wiring

⚠ CAUTION

Miswiring field-installed accessories or sensors can damage the controller. Do not deviate from the prescribed wiring directions in this document.

Figure 6: Analog Sensor with Tenant Override (PN 113117701)



Table 3: PN 113117701 Terminal Locations (TB2)

Rebel 016-028 Terminal Location	Sensor Terminal Location
210	S
211	C

Figure 7: PN 113117701 Wiring Diagram

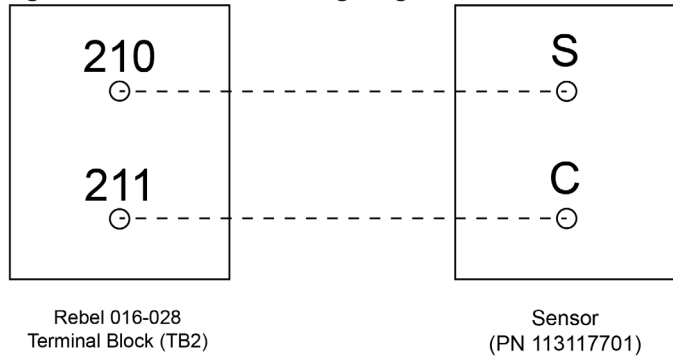


Figure 8: Analog Sensor with Tenant Override and Set Point Adjustment (PN 113117801)

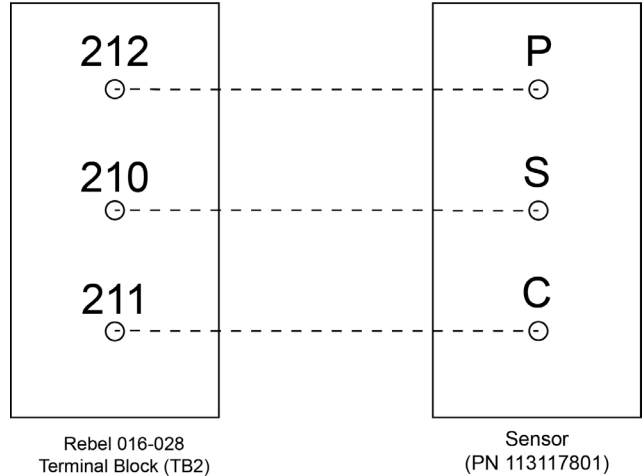


Table 4: PN 113117801 Terminal Locations (TB2)

Rebel 016-028 Terminal Location	Sensor Terminal Location
212	P
210	S
211	C

NOTE: Shield wire is to be grounded at the unit chassis only.

Figure 9: PN 113117801 Wiring Diagram



Maverick I Wiring

⚠ CAUTION
 Miswiring field-installed accessories or sensors can damage the controller.
 Do not deviate from the prescribed wiring directions in this document.

Figure 10: Analog Sensor with Tenant Override for Mav I (PN 113117701)

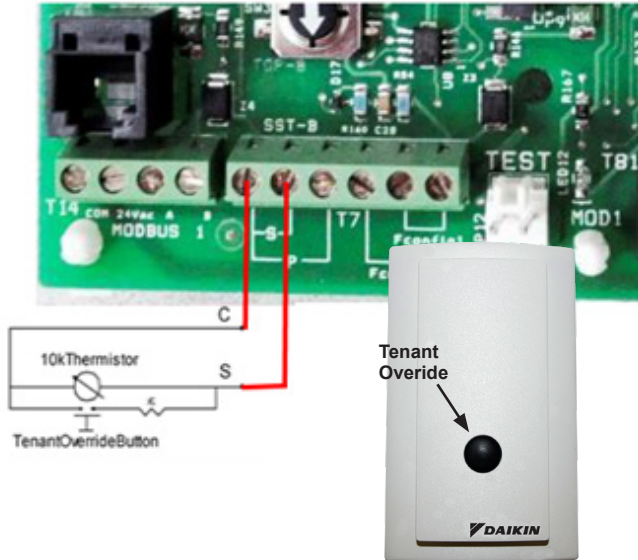
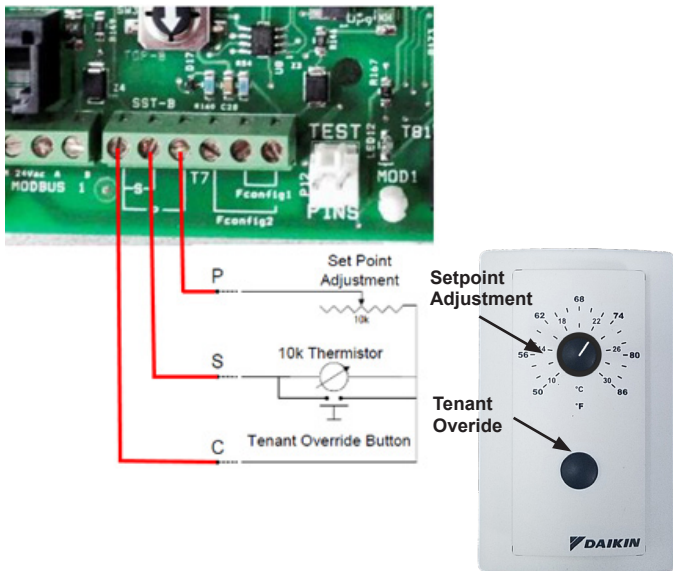


Figure 11: Analog Sensor with Tenant Override and Setpoint Adjustment for Mav I (PN 113117801)





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