

Option CM3, Unit-Mounted Thermostat Bracket

INSTALLATION FORM RZ-NA I-OPT-TB
Obsoletes Form RGM 400-TB

APPLIES TO: Models UDAP, UDAS, F, FE,
B, BE, TR, TR-H

REZNOR *Thomas & Betts*

Description/ Application

This thermostat bracket option is designed for use in installations where it is desirable to have the controlling thermostat mounted on the heater rather than in a remote location. The electrical box for mounting the thermostat extends down from a specially designed bracket that attaches directly to the heater.

This kit does not include a thermostat. Use either a Reznor® thermostat option or a field-supplied thermostat with snap-action contacts and a mounting base designed to be attached to a 2 x 4 electrical box. Do not use a mercury bulb thermostat due to the difficulty in leveling it and the possibility of vibration causing excessive unit cycling.

Components

Kit for Models UDAP and UDAS

Thermostat bracket option package, P/N 197077, includes:

Qty	Description	P/N
1	2 x 4 Electrical Box	17782
1	1/2" Coupling conduit connector	7447
2	1/2" Chase Nipples	3618
1	Bracket	197072
1	Screw (self drilling)	195249

Kit for Models F, FE, B, BE, TR, TR-H

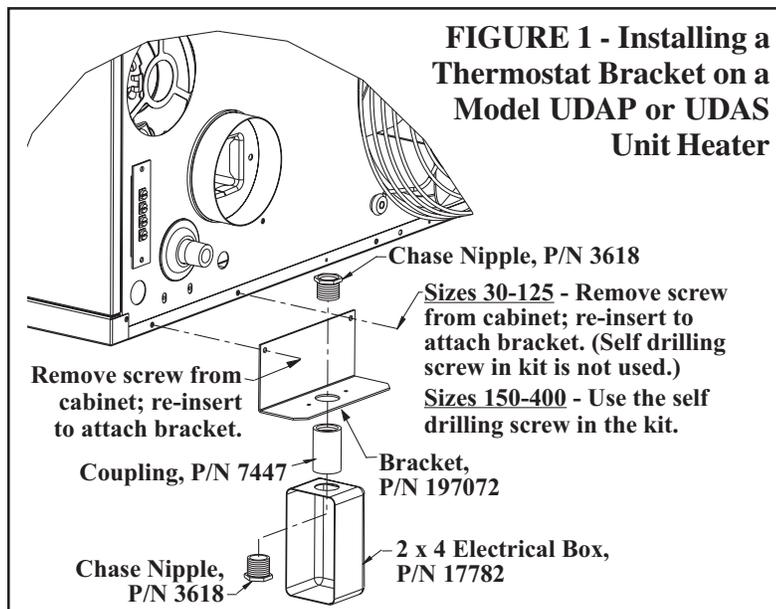
Thermostat bracket option package, P/N 98524, includes:

Qty	Description	P/N
1	2 x 4 Electrical Box	17782
1	1/2" Coupling conduit connector	7447
2	1/2" Chase Nipples	3618
1	Bracket	98353
2	Spacers, 1/4" x 7/16" long	98872
2	Screws, #8 x 1" long, Type B	121033

Installation Instructions

This option may be used on unit heater Models UDAP, UDAS, F, B, FE and BE or on tubular radiant Model TR. Some instructions are specific to a Model; follow the instructions for the model of heater being serviced.

1. **ALL MODELS** - Turn off the gas and the electric.
2. **Assemble and Attach Bracket** - Select and follow illustrated instructions for the Model being serviced.



**FIGURE 1 - Installing a
Thermostat Bracket on a
Model UDAP or UDAS
Unit Heater**

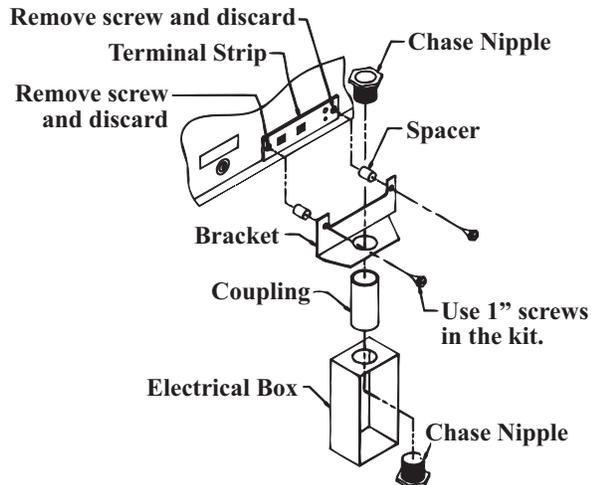
MODELS UDAP and UDAS (Refer to FIGURE 1)

- 1) **Assemble the Bracket** - Connect the electrical box to the mounting bracket using the coupling and the nipples. (Use the parts provided; do not increase the length of the coupling.)
- 2) **Attach the Assembled Bracket** - On the bottom back of the heater, remove the last screw to the left. On Sizes 30-125, also remove the next screw to the right. Position the bracket as illustrated. Re-insert the screw on the left side. On Sizes 30-125, also re-insert the screw on the right side. On Sizes 150-400, use the self drilling screw in the kit to attach the right side.

Installation Instructions (cont'd)

2. Assemble and Attach Bracket (cont'd)

FIGURE 2 - Installing a Thermostat Bracket on a Model TR Infrared Heater



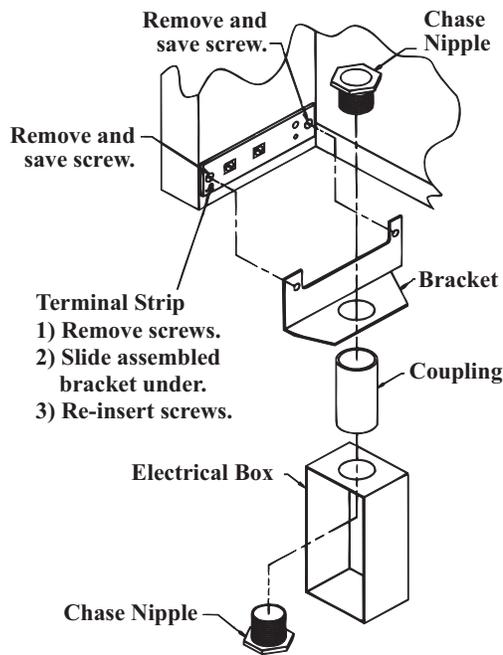
MODELS TR and TR-H
(Refer to FIGURE 2)

NOTE: Spacers are required for the access door to open.

- 1) Assemble the Bracket** - Connect the electrical box to the mounting bracket using the coupling and the nipples. (Use the parts provided; do not increase the length of the coupling.)
- 2) Attach the Assembled Bracket** - Remove and discard the screws holding the terminal strip on the end of the burner/control box.

Use the screws and spacers in the kit to attach the bracket. Follow the sequence in FIGURE 2, from the burner/control box -- *first* the terminal strip, *second* the spacers, and *third* the thermostat bracket.

FIGURE 3 - Installing a Thermostat Bracket on a Model F/FE/B/BE Unit Heater



MODELS F, FE, B, BE
(Refer to FIGURE 3)

NOTE: The screws and spacers in the kit will not be used.

- 1) Assemble the Bracket** - Connect the electrical box to the mounting bracket using the coupling and the nipples. (Use the parts provided; do not increase the length of the coupling.)
- 2) Attach the Assembled Bracket** - Remove the screws from the terminal strip on the bottom left side of the back of the heater.

Slide the thermostat bracket under the terminal strip. Re-insert the screws.

- 3. ALL MODELS** - Mount the thermostat (not furnished with the kit) on the electrical box. Wire the thermostat to the terminal strip. Be careful with thermostat leads. Shorting thermostat wires to a metal surface will cause the transformer to fail, requiring replacement.

Turn on the electric power and the gas. To operate, follow the lighting instructions on the heater. Check for proper operation.