

T4 Pro Series Thermostats

SUBMITTAL SHEET

Job Name	
Engineer	
Mechanical Contractor	
Contractor's P.O. No.	
Representative	
Notes	

Model(s)				
TH4110U2005	Qty.		Notes	
TH4210U2002	Qty.		Notes	
Approval				
Service				
Tag No.				

APPLICATION

Model TH4110U2005: 1H/1C conventional or 1H/1C heat pump without aux heat.

Model TH4210U2002: 1H/1C conventional or up to 2H/1C heat pump with electric aux heat.

SPECIFICATIONS

Terminal Designations: R, RC, C, W, O/B, Y, and G.

Electrical Ratings:

Terminal	Voltage (50/60Hz)	Running Current
W Heating	20-30 Vac	0.02-1.0A
W Heating	750 mV DC	100 mA DC
W2 (Aux) Heating	20-30 Vac	0.02-1.0A
E Emergency Heat	20-30 Vac	0.02-0.5A
Y Compressor Stage 1	20-30 Vac	0.02-1.0A
G Fan	20-30 Vac	0.02-0.5A
O/B Changeover	20-30 Vac	0.02-0.5A

Physical Dimensions:

Product	Part Number	Physical Dimensions in Inches (mm)
Thermostat	TH4110U2005 TH4210U2002	4-1/16" H x 4-1/16" W x 1-5/32" D (103.5 mm H x 103.5 mm W x 29 mm D)
UWP wall plate	Included with thermostat	2.67" H X 2.28" W X 0.41" D (67.9 mm H X 58 mm W X 10.3 mm D)
J-Box adaptor plate	Included with thermostat	3.91" H X 3.91" W X 0.66" D (99.4 mm H X 99.4 mm W X 16.7 mm D)
Small cover plate	Included with thermostat	4.76" H X 4.76" W X 0.35" D (121 mm H X 121 mm W X 8.9 mm D)
Large cover plate	THP2400A1068 Optional accessory	6.11" H X 6.11" W X 0.28" D (155.3 mm H X 155.3 mm W X 7 mm D)

Power Consumption:

Backlight On: 1.0VA

Cool Indication: Displays "Cool On" when the thermostat turns the cooling on.

Heat Indication: Displays "Heat On" when the thermostat turns the heating on.

Clock Accuracy:

+/- 1 minute every month (30 days) at 77°F.

+/- 2 minutes per month over the operating ambient temperature range.

Mounting Means: Thermostat packaged with a UWP™ mounting system that mounts directly on the wall in the living space using mounting screws and anchors provided. Use the cover plate (also included with thermostat) and its mounting bracket to mount the thermostat onto a vertical 2 x 4 in. junction box.

Temperature Ranges:

Heating: (maximum limit adjustable):

40 °F to 90 °F (4.5 °C to 32 °C)

Cooling: (minimum limit adjustable):

50 °F to 99 °F (10 °C to 37 °C)

Operating Ambient Temperature:

37 °F to 102 °F (2.8 °C to 38.9 °C)

Shipping Temperature:

-20 °F to 120 °F (-28.9 °C to 48.9 °C)

Operating Relative Humidity:

5% to 90% (non-condensing)

Color: White

Programming: 7 day, 5-1-1 day, 5-2 day, or Non-programmable.

Power Method: Battery or hardwired

Changeover: Auto or manual

Display Size: 3.93 sq. in.

Warranty: 5 years.

Home and Building Technologies

In the U.S.:

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