

TH146-P-U

HVAC
Heat pumps

This thermostat features a 2-wire user console connection — ideal for retrofits



Humidifier Control



**Dehumidifier Control
Air Exchanger**

The TH146-P-U includes a programmable console, a control module, and an outdoor temperature sensor

MODEL & RATINGS

TH146-P-U 1 A @ 24 V R, C, Y1, Y2, Y3, W1, W2, W3/O/B, L, G

Connections for: Console, plenum sensor, outdoor sensor, defrost input, unoccupied mode, humidifier, dehumidifier (air exchanger), fault input, dual-energy meter

Compatible with the following HVAC systems:

1H, 2H, 3H, 1C, 2C, 3C, 1H1C, 1H2C, 2H1C, 2H2C, 2H3C, 3H1C, 3H2C, 3H3C

Compatible with the following heat pump systems:

1H1C, 2H1C, 3H1C, 2H2C, 3H2C, 3H3C, 4H2C



PROGRAMMABLE

SPECIFICATIONS

TEMPERATURE CONTROL

Adaptive controller

Cycles: selectable 10, 12, 15, 20 or 30 minutes

PROGRAMMING

7 day: 4 time periods, 4 temp. settings/day

Pre-programmed or personalized schedule

Early Start function

Selectable 12- or 24-hour clock / °C or °F

Heating setting range: 5°C to 30°C (41°F to 86°F)

Cooling setting range: 15°C to 40°C (59°F to 104°F)

HUMIDITY SETTING

Manual: 5% to 60%

Automatic: Level automatically controlled according to outdoor temperature (-9% to 9% user offset)

DIMENSIONS (H•W•D)

Console: 79 x 79 x 24 mm / 3.1 x 3.1 x 1 in.

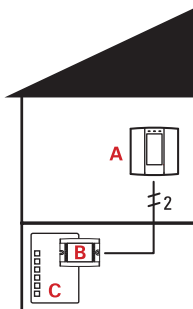
Control module: 95 x 136 x 30 mm / 3.8 x 5.4 x 1.2 in.

INSTALLATION

A - Console

B - Control module

C - Air handler



3 year
warranty

FEATURES

Installer mode bypasses compressor lockout delay for quicker installations

Removable connector strip simplifies wiring

Control module for equipment connections can be installed near furnace/air handler – only 2 wires required for console connection

Automatic Changeover between heating and cooling

Backlit console display shows indoor and outdoor temperatures, plus indoor humidity level

Complete defrost sequence protection (requires Aube air duct temperature sensor)

Keypad lock for console prevents tampering

Dehumidifier / air exchanger output with automatic minimum air exchange time

ACCESSORIES

Aube AC130-12 wall plate

Aube AC146-410 air duct temperature sensor

Aube CT240 or CT241 telephone controller

Aube RC845 heat pump add-on fossil fuel relay