



ALARM.COM®

Smart Thermostat HQ Data Sheet

ADC-T40K-HQ

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Specifications

Power: 24 VAC

Dimensions (H x W x D):
4.7 x 4.7 x 1.07" (12 x 12 x 2.72 cm)

Operating Temperature:
41°F to 95°F (5°C to 35°C)

Cellular Carrier Options:
Verizon and AT&T

Optional Wi-Fi:
Yes

Communication:
Z-Wave

In the Box

ADC-T40 thermostat

ADC-T40-HQ touchscreen display

Drywall anchors and screws (x2)

Trim plate



Overview

The Smart Thermostat HQ expands the award-winning Smart Thermostat HD with a powerful built-in Hub that seamlessly controls other smart home devices. With no need to install a separate Hub, the Smart Thermostat HQ simplifies installations, reduces costs, and uses less space in the home. The Smart Thermostat HQ offers a dedicated cellular connection and broadband backup to ensure reliable performance, and supports SmartStart so devices can be quickly and easily added to the smart home.

Features

Smart home controller
Setup wizard

- Touchscreen display
- Wire detection and auto configuration
- Humidity control
- Ventilation control
- Cellular and Wi-Fi connection
- Z-wave SmartStart and S2 compatible
- Display Sync for separated thermostat installation
- Full integration with the Alarm.com platform

Compatible Systems

- Near universal 24 V compatibility: Yes
- Humidifier/Dehumidifier: Yes
- Forced air: Yes
- Heat pump: Yes
- Heat: Up to 3 stages
- Cool: Up to 2 stages
- Dual fuel: Yes
- Ventilation control: HRV, ERV, external air baffle
- Dual Power Supply Systems: Yes

Terminal Guide

Terminal	Description
RC	Cooling Power
RH	Heating Power – Required Wire
W2	Heat/Aux Stage 2
W	Heat/Aux Stage 1
C	Common wire from transformer for RH – Required Wire
Z1	Configurable: W3, Humidifier, Dehumidifier, Vent
Z2	Configurable: W3, Humidifier, Dehumidifier, Vent
Y	Cool/Pump Stage 1
Y2	Cool/Pump Stage 2
G	Fan
O	Heat Pump Reversing Valve (Energized in COOL mode)
B	Heat Pump Reversing Valve (Energized in HEAT mode)

