

HS9-TH6220WF02

Date: 12/06/2022

Attn: FCC Office of Engineering and Technology / UL Verification Services TCB

Engineering Ref: Certification for FCC ID: **HS9-TH6220WF02**
Applicant: Ademco Inc.

To Whom it May Concern

This is to request for a Product Certification under FCC ID: HS9-TH6220WF02. This product which will bear the above-mentioned FCC ID contains 9 variants:

- T6 Thermostat - TH6220WF2006
- T6 Thermostat - TH6320WF2003
- T5+ Thermostat - RCHT8610WF2006
- T5+ Thermostat - RCHT8610WF2014
- T5+ Thermostat - RCHT8610WF3005
- T5+ Thermostat - RCHT8612WF2005
- T5+ Thermostat - RCHT8612WF2015
- T5+ Thermostat - RCHT8612WF3006
- T5+ Thermostat - RTH8800WF2022

This product is a Wi-Fi/Bluetooth enabled thermostat that operates in the 2.4GHz ISM band utilizing the popular 802.11b/ g/n Wi-Fi standard data rates and modulations. Thermostat also operates using Bluetooth Low Energy Version 4.1. These thermostats are designed to control various HVAC equipment. While these thermostats are intended to be used in mostly residential applications, they can also be used in various light-commercial applications as well.

Variants under this filing include the following devices. All variants share the same RF block where the RF circuit and antenna and are electrically and technically identical. Differences include: the type of LCD, the type of touch panel, the color of the plastics, and the population of relays/ to control HVAC equipment stages.

					
Commercial Name	Lyric T6 PRO Wi-Fi Thermostat	Lyric T6 PRO Wi-Fi Thermostat	Lyric T5 Wi-Fi Thermostat	Lyric T5 Wi-Fi Thermostat	Lyric T5 Wi-Fi Thermostat
OS	TH6220WF2006	TH6320WF2003	RCHT8610WF2006	RCHT8610WF2014	RCHT8610WF3005
Stages (HP)	2H/1C	3H/2C	3H/2C		
Stages(Convention)	2H/2C	2H/2C	2H/2C		
LCD	FSTN		PMVA(inverse)		
Touchpad	Resistive Touch Pad		Capacitive Touch Panel		
Color (case-front / Case-back)	white/white	white/white	grey/black		silver/black

				
Commercial Name	Lyric T5 Wi-Fi Thermostat	Lyric T5 Wi-Fi Thermostat	Lyric T5 Wi-Fi Thermostat	Lyric T65 Wi-Fi Thermostat
OS	RCHT8612WF2005	RCHT8612WF2015	RCHT8612WF3006	RTH8800WF2022
Stages (HP)	3H/2C	3H/2C	3H/2C	3H/2C
Stages(Convention)	2H/2C	2H/2C	2H/2C	2H/2C
LCD	PMVA (Inverse)	PMVA (Inverse)	PMVA (Inverse)	PMVA (Inverse)
Touchpad	Capacitive	Capacitive	Capacitive	Capacitive
Color (case-front / Case-back)	grey/black	grey/black	grey/black	white/white

If you have any questions regarding this request for certification, please feel free to contact me.

Sincerely,
Christian Fouth

Christian Fouth
Global Leader Wireless Testing,
Ademco Inc./Resideo Technologies