

# DEALER SERVICE BULLETIN

Number: DSB 13-0011

Issued: 4/9/13

Title: Residential Edge® / Totaline Premier  
Equipment Compatibility / Rework

## PRODUCT CATEGORY:

Residential Controls

## MODELS AFFECTED:

<u>Carrier</u>	<u>Bryant</u>	<u>Totaline Premier</u>
TP-PAC01	T6-PAC01	P730-11PAC
TP-PHP01	T6-PHP01	P730-32PRH
TP-PRH01-A	T6-PRH01-A	P730-32PHP
TP-NAC01	T6-NAC01	P730-11NAC
TP-NHP01	T6-NHP01	P730-32NHP
TP-NRH01-A	T6-NRH01-A	P730-32NRH

Serial Number(s): This affects products produced 2007 and 2013

***\* This DSB only applies to the above part numbers shipped between 2007 and 2013 and ONLY IF they have been installed with equipment listed in table A OR if they have been attached directly to a supply fan electromagnetic contactor.***

## **EQUIPMENT AFFECTED:**

All electromechanical equipment with the supply fan contactor interfacing directly with the Residential Edge® or Totaline Premier thermostat's 'G' circuit are affected. Table A provides a list of typical Carrier equipment that are affected when paired with the specific thermostat part numbers listed in this bulletin.

**NOTE: THIS LIST DOES NOT INCLUDE ALL POTENTIALLY AFFECTED ELECTROMECHANICAL SYSTEMS. OTHER ELECTROMECHANICAL SYSTEMS MAY BE AFFECTED (FOR EXAMPLE, COMPETITOR UNITS)**

**Table A. Typical Carrier Equipment List**

<b>Equipment Type</b>	<b>Model</b>	<b>Notes</b>
40 Series Fan Coil	40RU, 40RM	
Rooftop AC Unit	50LC WeatherExpert	>5 tons
Rooftop AC Unit	50HC Weather Master	>5 tons
Rooftop AC Unit	50TC Weather Master	>5 tons
Rooftop AC Unit	50PG Centurion	>5 tons

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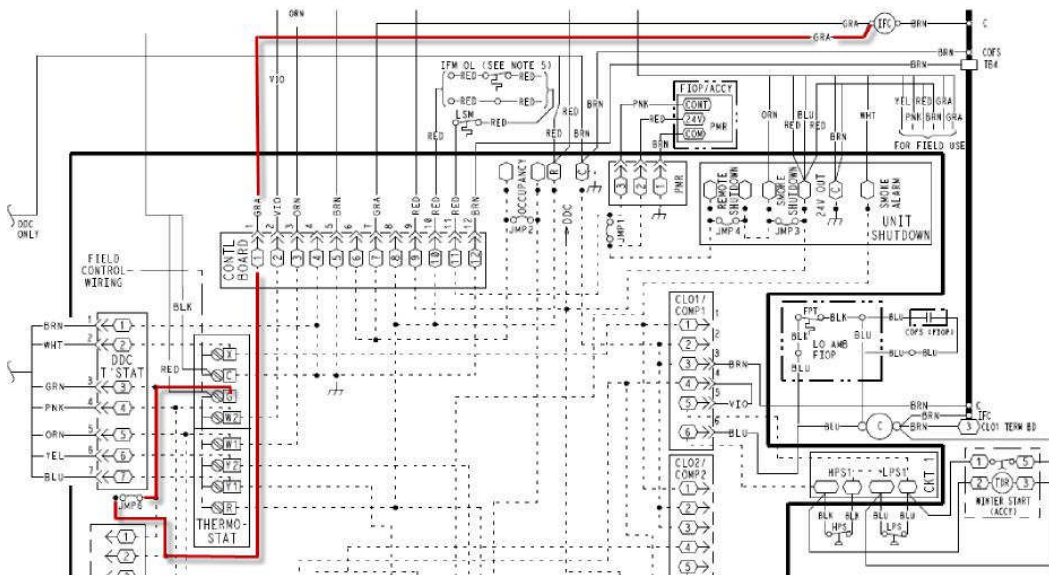
Rooftop AC Unit	50PM Centurion	>5 tons
Rooftop AC Unit	50HJ WeatherMaster	> 5 tons
Rooftop AC Unit	50TFF WeatherMaster	
Rooftop AC Unit	50TJ WeatherMaker	
Rooftop AC Unit	50TM WeatherMaker	>5 tons

Thermostats connected to the following systems are **NOT** affected by this program:

- Equipment with DDC style controls like PremierLink and ComfortLink controls.
- Gas rooftop units with an Integrated Gas Controller (IGC)
- Equipment that employ a time delay relay (example: rooftop units 5 tons and below) in the supply fan low voltage circuit.
- Residential fan coil units, small packaged products, condensing units, heat pumps, or furnaces.

## SITUATION:

It has been determined that installation of the thermostat models subject to this bulletin may demonstrate overheating and /or smoking **if attached directly to a supply fan electromagnetic contactor**. Specifically, the load introduced by the equipment contactor coil could fatigue one of the capacitors on the thermostat's **Equipment Control Module (ECM)** printed circuit board, resulting in electrical overstress and excessive heat. This type of connection is associated with a limited number of models of Commercial Equipment as identified in the following section.



**Figure 1.** Typical schematic showing direct connection to indoor supply fan contactor coil (IFC)

## SOLUTION:

Where installations as noted in this bulletin are identified and therefore **mandatory rework** is required, please contact your distributor and reference **SMB 13-0010** for the appropriate rework, policy, and claim procedure.

**Warning: Do not perform any of the servicing instructions provided in this Service Bulletin unless you are a trained and qualified technician. Observe all precautions in the instructions, equipment tags, labels, and observe all other safety precautions that may apply. Failure to follow this warning could result in property damage, personal injury or death.**