



**TRANE®**

## Service Alert

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# CTV AdaptiView™ Control End of Line Tester Errors

## Trane CenTraVac® Chillers

*This Confidential Service Alert is informational only, and is cancelled 60 days from the issue date.*

**To:**

Field Office Managers  
Field Service Managers  
Parts Center Managers

**From:**

La Crosse Technical Service

**ATTENTION:** Warnings and Cautions appear at appropriate sections throughout this literature. Read these carefully.

**⚠ WARNING** – Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION** – Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert against unsafe practices.

**NOTICE** – Indicates a situation that could result in equipment or property-damage only accidents.

## Introduction

The purpose of this Confidential Service Alert is to make you aware of four Tracer AdaptiView™ first-production issues caused by the end of line tester. We expect these items to be discovered—or to have been discovered and resolved—at startup commissioning while going through the startup process of checking the configuration and settings.

**Affected units:** Early production CVHE, CVHF, and CVHG chillers are affected. Specifically, CenTraVac - Direct Drive Simplex (CVHE, CVHF, CVHG) with Tracer AdaptiView control using Tracer UC800 controls.

A list of all simplex chillers with AdaptiView controls that may be affected can be found at: [http://tranenetlax1/lbu\\_technicalsupport/home/TracerAdaptiViewcontrol/Adaptiview\\_lit.asp](http://tranenetlax1/lbu_technicalsupport/home/TracerAdaptiViewcontrol/Adaptiview_lit.asp)

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## Discussion

The simplex CenTraVac® end of line tester was not correctly loading sales order data into the Tracer UC800 prior to July of 2008.

1. **Sales order, model number, and serial number:** These items were not programmed into UC800 simplex chillers. These items can be entered into the UC800, with the Tracer TU version 1.00.032 and later.

At startup, or during any convenient visit, please enter the values from the chiller nameplate into the UC800 control via Tracer TU. This issue applies to all AdaptiView chillers shipped to date. The problem was fixed in July, 2008.

**Note:** This does not affect chiller operation; however, sales order, model number, and serial number would not show up in reports until entered into the UC800 control via Tracer TU.

2. **Water flow sensing option:** Some water flow setpoints items were not programmed into the Tracer UC800.
  - a. See [Table 1, p. 3](#) for a list of affected orders.
  - b. Visit the Trane intranet site (see [Figure 1](#)): <http://tranenetlax1/watersetpoints/Home/wsp2.asp>
  - c. After accessing the screen shown in [Figure 1](#), enter the sales order, including the suffix letter (A,B,C, etc), and press **Submit**. Note the values displayed in the center column.
  - d. At startup, or during your next visit, check and enter the values from the information in the center column (see [Figure 1](#)) into the UC800 with Tracer TU.

**Note:** These setpoints are required for the water flow sensing option to work properly. Control leaving water temperature instability may result if improperly set.

**Figure 1.** <http://tranenetlax1/watersetpoints/Home/wsp2.asp>

Order Number	Selection Data	TechView Users Setpoints	Factory Tester Download File
Evaporator Water Flow Point 1	G.P.M.		L.P.M
Evaporator Pressure Drop Point 1	Feet		K.P.A
Evaporator Water Flow Point 2	G.P.M.		L.P.M
Evaporator Pressure Drop Point 2	Feet		K.P.A
Evaporator Fluid Specific Gravity			
Evaporator Fluid specific Heat			
Condenser Water Flow Point 1	G.P.M.		L.P.M
Condenser Pressure Drop Point 1	Feet		K.P.A
Condenser Water Flow Point 2	G.P.M.		L.P.M
Condenser Pressure Drop Point 2	Feet		K.P.A

**Table 1. Orders and serial numbers with missing water flow setpoints**

Sales Order	Serial Number	Sales Order	Serial Number		
1.	58N747A	L08D01742	47.	B2E895B	L08C01281
2.	58N747B	L08D01738	48.	B3A622B	L08E02152
3.	60A990A	L08D01743	49.	B6M647A	L08E02392
4.	60A990B	L08D01724	50.	C4A114A	L08D01760
5.	60E224A	L08B01101	51.	D3G143C	L08E02254
6.	60E224B	L08C01195	52.	E2D467A	L08C01329
7.	60E224C	L08B01091	53.	E2F073A	L08D01965
8.	60E224D	L08C01221	54.	E2F073C	L08D01966
9.	61E401B	L08D01767	55.	E2F073D	L08D01969
10.	61E401C	L08D01768	56.	E2F073G	L08D01972
11.	61J378A	L08B00882	57.	E3R034A	L08C01240
12.	61J378B	L08B00883	58.	E3R034B	L08C01305
13.	61J378C	L08B01074	59.	H3J601A	L08D01774
14.	61J378D	L08B01075	60.	H8D306A	L08C01312
15.	70B504A	L08B01082	61.	H8D306B	L08C01313
16.	70B504B	L08B00856	62.	K2S896A	L08D01764
17.	70B504C	L08B00872	63.	K2S896B	L08D01765
18.	71A774A	L08B01107	64.	K2S901A	L08D01769
19.	71A774B	L08C01199	65.	K2S901B	L08D01770
20.	71A774C	L08C01200	66.	L3J589A	L08D01777
21.	71A774D	L08C01201	67.	L3J589B	L08D01955
22.	71A774E	L08C01208	68.	L5B427A	L08C01297
23.	71A774F	L08C01209	69.	P5L613A	L08C01580
24.	71A778A	L08C01220	70.	P5L613B	L08C01581
25.	71A778B	L08C01217	71.	Q2M302A	L08B01104
26.	71A778C	L08C01218	72.	Q2M302B	L08C01198
27.	71A778D	L08C01224	73.	Q2M309A	L08C01300
28.	71A778E	L08C01225	74.	Q3Q998A	L08C01575
29.	71A784A	L08D01751	75.	Q3Q998B	L08C01576
30.	71A784B	L08D01752	76.	R1N693A	L08B01098
31.	71A784C	L08D01753	77.	S3A869A	L08D01736
32.	71A784D	L08D01754	78.	T5G392A	L08B01072
33.	71A797A	L08C01570	79.	T5G392B	L08B01096
34.	71A797B	L08C01574	80.	T5G392C	L08C01207
35.	71A814A	L08D01940	81.	T5G487A	L08B00846
36.	71A814B	L08D01941	82.	V1H631A	L08B00870
37.	71A814C	L08D01944	83.	W1P173A	L08C01310
38.	71A814D	L08D01945	84.	W1P173B	L08C01347
39.	71A824A	L08E02162	85.	W3B512A	L08B01077
40.	71A824B	L08E02163	86.	W3B512B	L08B01078
41.	75D141A	L08C01331	87.	W3B512C	L08B01085
42.	A1R403A	L08B00878	88.	W4P075A	L08D01936
43.	A1R403B	L08B00879	89.	W4P075B	L08D01943
44.	A2J069A	L08B01088	90.	W4P075C	L08D01957
45.	A2J069B	L08B01089	91.	W4P075D	L08E02085
46.	B2E895A	L08C01280			

3. **Operating status relay assignments:** At startup, the operating status relay assignments need to be verified in Tracer TU to ensure that they are assigned the correct function. The assignments by the end of line tester and the default assignments are listed in [Table 2](#).

**Note:** This was corrected in July 2008—the defaults were assigned. Incorrectly assigned function will provide incorrect status information.

**Table 2. Operating status relay assignments**

Options Setup Configuration (TU)	End of Line Assignment	Default/Schematic Assignment
Module 1 Programmable Status Relay 1 (J2-1,2,3)	Chiller Limit Mode Indicator	Chiller Non-Latching Alarm Indicator
Module 1 Programmable Status Relay 2 (J2-4,5,6)	Chiller Non-Latching Alarm Indicator	Chiller Limit Mode Indicator
Module 1 Programmable Status Relay 3 (J2-7,8,9)	Chiller Maximum Capacity Indicator	Chiller Latching Alarm Indicator
Module 1 Programmable Status Relay 4 (J2-10,11,12)	Chiller Head Relief Request Indicator	Chiller Running
Module 2 Programmable Status Relay 1 (J2-1,2,3)	Chiller Running	Chiller Maximum Capacity Indicator
Module 2 Programmable Status Relay 2 (J2-4,5,6)	Chiller Latching Alarm Indicator	Chiller Head Relief Request Indicator
Module 2 Programmable Status Relay 3 (J2-7,8,9)	Purge Alarm	Purge Alarm
Module 2 Programmable Status Relay 4 (J2-10,11,12)	None	None

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4. **Unit mount AFD starter current limit:** The end of line tester incorrectly set the starter current limit for AFD starters at the same value as the motor nameplate RLA. The AFD starter current limit should be set at 1.12 times the value of the nameplate RLA. The RLA is located on the unit nameplate and is listed under the PRLA or NMRA. For reference, see CTV-SVP02B-EN, *Tracer™ TU Service Tool for Water-Cooled CenTraVac™ Chillers with Tracer AdaptiView™ Control Programming Guide*.

**Note:** The AFD starter current limit setting was corrected in July 2008.

## Resolution and Recommendations

<b>Already started units</b>	<b>Check settings at next visit or during annual maintenance.</b>
<b>Units not started</b>	<b>Check settings at startup.</b>

## Expiration Date

This service alert is informational only, and is cancelled 60 days from the issue date.

## Questions

Contact the CenTraVac Technical Support Team with questions regarding this Confidential Service Alert. To contact them, send a message to [TechService@trane.com](mailto:TechService@trane.com) or call (877) 788-7263 (US & Canada) or (651) 407-4393 (International) and select menu options 4-2-2-1.



[www.trane.com](http://www.trane.com)

For more information, contact your local Trane office or e-mail us at [comfort@trane.com](mailto:comfort@trane.com)

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