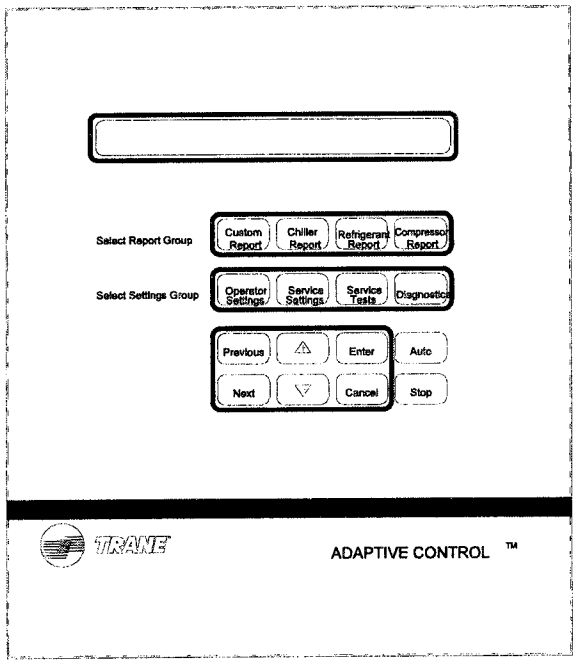
TRANE

Supplement CVRB-SUPL-1

Library	**Service Literature**
Product Section	**Commercial Aftermarket Products**
Product	**CenTraVac**
Model	**CVRB**
Literature Type	**Installation**
Sequence	**1**
Date	**May 1996**
File No.	**SV-CAP-CTV-CVRB-IN-1-596**
Supersedes	**New**

Supplement to CVHE-CLD-1

Model CVRB



Since the Trane Company has a policy of continuous product improvement, it reserves the right to change specifications and design without notice. The installation and servicing of the equipment referred to in this booklet should be done by qualified, experienced technicians.

Instructions

The following pages highlight revisions to the CVHE-CLD-1. These are important changes that impact the set-up of the UCP2 Control Panel Conversion package. Items that have been revised are separated by menu type and are underlined.

Inlet Guide Vane Position

The following screen will be suppressed if "Inlet Guide Vane Output" is set to "Pulsed".

Inlet Guide Vane Position:	XXX.X Open
Inlet Guide Vane Position:	XX.X Degrees

Refrigerant Pressure Analog Output Option

Rfgt Pressure Output Option:	[status]
Press (+)(-) to Change Setting	

Possible values for status are: % Cond; Factory Default.
Delta.

Min Delta Pressure Calibration

The following will be displayed only if the "Refrigerant Pressure Analog Output Option" is set to "Delta".

Min Delta Press Calib (2 VDC)	XXXX PSID/kPa
Press (+)(-) to Change Setting	

The range of values is 400 Psid (0-2758 kPa) in increments of 1 Psid/kPa.
Factory Default is 0 Psid (0 kPa).

Max Delta Pressure Calibration

The following will be displayed only if the "Refrigerant Pressure Analog Output Option" is set to "Delta".

Max Delta Press Calib (10 VDC)	XXXX PSID/kPa
Press (+)(-) to Change Setting	

The range of values is 1-400 Psid (7-2758 kPa) in increments of 1 Psid/kPa.
Factory Default is 30 Psid (207 kPa).

IGV Stroke Time

The following will be displayed only if the "Inlet Guide Vane Output" is set to "Pulsed".

```
Inlet Guide Vane Stroke Time:          XXX Sec
Press (+)(-) to Change Setting
```

The range of values is 15 to 100 Seconds in increments of 1 Second. Factory Default is 45 Seconds.

Low Differential Oil Pressure Cutout

```
Low Diff Oil Press Cutout:          XX psid/kda
Press (+)(-) to Change Setting
```

The range of values is 6 to 35 psid in increments of 1 psid. Factory Default is 9 psid.

Refrigerant Type

Help Note: This is important for correct temperature to pressure conversion.

```
Refrigerant Type:                    [type]
Press <+> <-> to Change Setting
```

Possible values type are: R11, R12, R134a, Water, R22, R113. Factory Default is R123.

Hot Gas Bypass Option

This option is mutually exclusive with the pulsed IGV output. If this option is installed, the "Inlet Guide Vane Output" shall be set to "Stepper Motor".

```
Hot Gas Bypass Option:               [Status]
Press (+)(-) to Change Setting
```

Possible Values for Status are: Installed, Factory Default is Not installed

If the Hot Gas Bypass Option is set to Installed and the Inlet Guide Vane Output is currently Pulsed, the Inlet Guide Vane Output will be set to Stepper Motor and the following will be displayed for 3 seconds to indicate the change.

```
Inlet Guide Vane Output
Has been Set to  Stepper Motor
```

IGV Output Type

The pulse option is mutually exclusive with HGBP. If this item is set to "Pulsed", the "Hot Gas Bypass Option" shall be set to "Not Installed".

```
Inlet Guide Vane Output:                [Y]
Press (+)(-) to Change Setting
```

Possible Values for Y are: Stepper Motor, Factory Default

Pulsed

If Inlet Guide Vane Output is set to Pulsed and Hot Gas Bypass Option is currently set to Installed, the Hot Gas Bypass Option will be set to "Not Installed" and the following will be displayed for 3 seconds to indicate the change.

```
Hot Gas Bypass Option
Has Been Set to Not Installed
```

Vane Control Status/Vane Position Commands

The following screens will be displayed only when "Inlet Guide Vane Output" is set to "Stepper Motor". The status of the Vane Control is as follows:

```
Vane Control Is:                    [Status]
Press (+)(-) to Change Setting
```

The possible values of [Status] are: Manual, Factory default is Auto.
If the vane control status is "Auto" the following is displayed:

```
Inlet Guide Vane Position      XXX.X%
[Limit Mode]
```

If the vane control status is "Manual" the following is displayed.
When the Vane Control status is transitioned from "Auto" to "Manual", the manual target is initialized to the current vane position.

```
Vane Pos XXX.X%                Target XXX.X% Open
[Limit Mode]<+> <-> to Change Target
```

The possible values of [limit mode] are: Current Limit, Condensing Limit, Evap Limit, Blank

Vane Control Status/Manual Load and Unload

The following screen will be displayed only when the "Inlet Guide Vane Output" is set to "Pulsed".

```
IGV control Is:                     [Status]
LWT  =  xx.x  f/c                       [Y]
```

The possible values of [status] are "Auto", "Hold", "Load", or "Unload". Factory Default is "Auto".
The possible values of Y are "Current Limit", "Condenser Limit", "Evap Limit", and "(+)(-) and (Enter)".
The latter is displayed when there are not limits operating.

Manual Loading/Unloading Duty Cycle

The following screen will be displayed only when the "Inlet Guide Vane Output" is set to "Pulsed".

```
Manual Loading/Unloading Duty Cycle:        xx%
Press (+)(-) to Change Setting
```

Range of Values is 0 to 50% in increments of 1%. Factory Default is 30%.

Vane Position

The following screen will be displayed only when the "Inlet Guide Vane Output" is set to "Stepper Motor".

```
Inlet Vane Position:                    XXXX Steps
Inlet Guide Vane Position:           XX.X degrees
```

Hot Gas Bypass Valve Control Status/Manual Open and Close Commands

If HGBP is installed in the unit the following screen shall be displayed.

```
HGBP Valve Control Is:                  Status
LWT = XX.X fc                              [Y]
```

The possible values of [status] are "Auto", "Open", "Hold" or "Close". ROM Default is "Auto".
The possible values of Y are "Current Limit", "Condenser Limit", " Evap Limit" and "(+) (-) and (Enter)".
The latter is displayed when there are no limits operating.