

# Smart Equipment<sup>™</sup> Controls Quick Start Guide

1136326-USG-H-0120 H-0120

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#### General

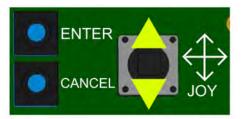
Before you begin configuring your unit controller ensure that you understand the application and identify the equipment configuration.

- Constant Volume
- Variable Air Volume (VAV)
- Economizer
- Hot Gas Reheat
- Dual Stage
- Four Stage
- Heat Pump
- Thermostat Controls
- Network Sensor Control
- Space Sensor Control
- Discharge Air Control

## Understanding the LCD

After you apply power to your rooftop unit (RTU), a start-up sequence begins on the unit control board (UCB) LCD. When the controller is ready, the screen is blank if no faults are present. Use the joystick and the two push buttons below the LCD, to navigate through the menus. See the following figure.

#### Figure 1: Joystick and push buttons on the UCB



Move the joystick up and down to move the > cursor and scroll through the selections in the active section of the menu.

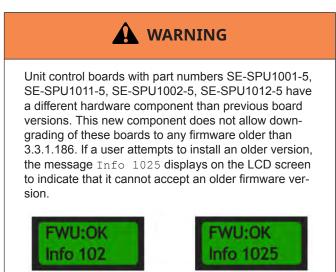
Each menu selection is either a sub-menu or a property. You can perform the following actions.

- Press ENTER to display the items in the sub-menu or the values of the selected property.
- Press ENTER to display the current value of the selected property.
- Move the joystick up or down to display the values of other properties.

See the following figure and Smart Equipment<sup>™</sup> 4.0 UCB navigation examples.

#### Figure 2: UCB top level menu



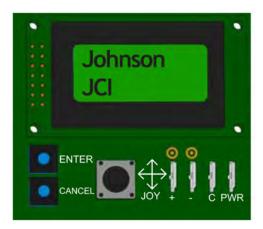


## Start-up sequence

When you apply power to the unit the UCB begins the following start-up sequence. During the start-up sequence, the joystick, ENTER button, and CANCEL button do not function.

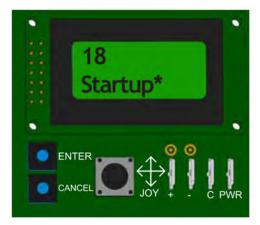
1. The LCD scrolls the text Johnson Controls on the top line and JCI on the bottom line.

#### Figure 3: Start-up display



- 2. The display backlight and green power LED light and remain lit as long as power is applied to the C and 24V terminals.
- 3. The red fault LED lights, goes off briefly, and then flashes throughout the start-up sequence.
- 4. The green SA bus LED lights briefly.
- 5. The LCD shows a countdown on the top line.

#### Figure 4: Start-up countdown



- 6. After approximately 15 seconds, the green SA bus LED does one of the following.
  - Lights to indicate that the UCB has not established communication and is awaiting communication from SA bus devices
  - Flashes to indicate the UCB established communication with SA bus devices

After the start-up sequence finishes in 90 to 120 seconds, the display shows the current operating status. For example, idle, startup delay, or cooling on both lines if no alarm is active. The red fault LED stops flashing and turns off. The joystick, ENTER button, and CANCEL button are operational.

# Commissioning

The following figure shows the commissioning view second level menus. The commissioning view consists of five main menus and several sub-menus.

# Figure 5: Commissioning view: second level menus



### Commissioning view sub-menus

Your equipment configuration determines which menus appear in the commissioning view.

- Use the joystick to move between the menu options.
- Press ENTER to select an option.

See SE UCB display menu guide 3.4 for the outline of the Commission menu and a detailed table of all menus, sub-menus, and properties.

### Validating your configuration

Use the **Details** > **Service** menu to ensure that your configuration parameters are correct. This view shows the input values for each input. You can view the sensors and coil sensors values.

If no input value appears, the display shows  ${\tt No}$   ${\tt Input}.$  This is a convenient way to ensure that all your configuration parameters are set and reading properly.

Important: Save your configuration parameters to a flash drive using the Update > Backup menu before you perform a firmware update.

# Connecting your flash drive for a

#### firmware update

 Connect your flash drive to the USB port on the UCB. USB: Wait appears on the LCD. See the following figure.

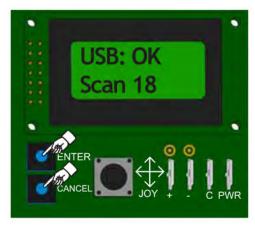
#### Figure 6: USB connection display



- O Note: If you do not see USB: Wait after you connect your flash drive to the UCB, ensure that it is properly connected. If it is properly connected and you do not see USB: Wait, your flash drive may not be compatible with the UCB or is defective.
- 2. Wait a few seconds, the top line of the LCD displays USB: OK.

The Scan number indicates the files and folders in the top level of the flash drive that are compatible with the UCB.

#### Figure 7: USB scan



3. Keep the flash drive connected to the UCB after the scan completes.

You can press the ENTER button, CANCEL button, or move the joystick up or down to navigate through the display menu.

# Performing a system configuration backup

- 1. Connect your flash drive to the USB port on the UCB.
- 2. When USB OK appears on the LCD, use the joystick on the UCB to select **Update** and press ENTER.
- 3. Select **Backup** and press ENTER. See the following figure.

#### Figure 8: Backup menu



Figure 9: Backup complete



BKP: Wait appears while the backup is in progress. During the backup procedure, the colon (:) flashes on the top line and the percentage increases on the bottom line of the display. The backup completes in approximately 30 seconds.

4. When BKP: OK appears on the LCD and the percentage shows 100, you may remove the flash drive from the USB port.

After the backup completes, a comma separated value (.csv) restoration file is created in the top level of the flash drive. The file name is drawn from the date and time settings in the UCB at the time you create the file. The restoration file size is generally less than 30 KB. The following figure shows an example of the .csv file name structure.

#### Figure 10: Restoration file name structure



Use the **Upgrade** > **Restore** menu to restore the backup file to the unit and retrieve the configuration after you perform an upgrade or make setpoint changes.

Use the partial cloning feature to take the configuration parameters from the backup file from one unit and update the data on another unit. Use

# the *Upgrade* > *Part Clone* menu on the unit that you want to update.

• **Note:** Only use the Full Cloning feature when you have to replace the UCB board.

# Updating Smart Equipment<sup>™</sup> software

The following sections describe the procedures for updating Smart Equipment<sup>™</sup> software.

#### Auto update - FWU: firmware update

In the release of version 3.3.1.186, an auto update feature was added called firmware update (FWU). This feature determines if there are any mismatches in the firmware versions on all applicable control boards on the unit. For example, on the Economizer, FDD1, FDD2, or 4-stage boards.

O Note: If you use version 3.3.1.186, you must perform the firmware update twice back to back.

If there are any mismatches, the auto update process begins and automatically pushes the 4.0.0.XXXX version to all applicable boards on the unit. This may take 7 to 30 minutes depending on the number of control boards.

 Note: Do not use the joystick, ENTER button, or CANCEL button during the auto update process.

The auto update feature required a change to the memory size on the UCB. You can install the 4.0.0.XXXX firmware revision in an older board with a 4 MB memory, but it cannot perform the auto update function.

Note: REV. G indicates a 4 MB board. REV. H indicates a 8 MB board.

If the auto update fails for any reason, the LCD displays Firmware mismatch and the fault LED blinks. If this occurs, you must manually update the firmware. See Performing a manual update.

#### Loss of power

If loss of power occurs during the auto update process, the UCB re-attempts the update when the power is restored. The following sequence is performed.

• 90 seconds after the normal startup sequence is complete the UCB determines whether there are still firmware mismatches.

• The UCB attempts the auto update up to a maximum of five times.

If the auto update is unsuccessful after five attempts, you must manually update the firmware. See Performing a manual update.

#### Performing a manual update

If you want to update a 3.1 level board (8 MB) with an older 3.0 level firmware, you must perform the update twice.

You require a flash drive with the appropriate software file ending in .pkg to perform the update. You must save the file at the top level of the flash drive.

See Connecting your flash drive for a firmware update.

#### Figure 11: Display update



- 1. Connect your flash drive to the USB port on the UCB.
- 2. When USB OK appears on the LCD, use the joystick on the UCB to select **Update** and press ENTER.

The first line displays View Ver.

- a. If you want to verify the version in the UCB, press ENTER. The current version is displayed.
- b. Press CANCEL to return to the Update menu.
- 3. Use the joystick to select **Backup** and press ENTER.
- 4. When the top line of the display shows BKP: OK and the second line shows 100, press CANCEL to return to the Update menu and press ENTER.
- 5. Use the joystick to select **LoadFirm** and press ENTER.
- 6. When the list of firmware versions appears, select **4.0.0.XXXX.secusb.pkg** or the firmware version required and press ENTER.

If the firmware file is not displayed, use the joystick to select the appropriate file.

7. When Confirm? appears on the LCD, press ENTER.

The firmware may take five to 15 minutes to load, FWU WAIT appears on the LCD screen. The UCB reboots during the process and the LCD goes blank. When the LCD displays the main menu and the startup timer ends, the upload is finished.

- 8. Use the joystick on the UCB to select **Update** and press ENTER.
- 9. Select **Restore** and press ENTER.
- 10. Select **RTUxxxx.csv** and press ENTER.
- 11. When Confirm? appears on the LCD, press ENTER.

The LCD displays  ${\tt RTR:OK}$  and reboots. When the startup timer ends, the configuration is restored.

When the firmware update is complete, proceed with parameter checks.

#### Viewing the version of the

#### economizer

The economizer board must be connected to the system to view the version.

1. Use the joystick on the UCB to select **Contrler** and press ENTER.

The first line displays Firm.

#### Figure 12: Display update



2. Use the joystick to select **SysCntlrs** and press ENTER.

The first line displays Misc.

3. Use the joystick to select **Econ** and press ENTER.

The first line displays EconMainVer.

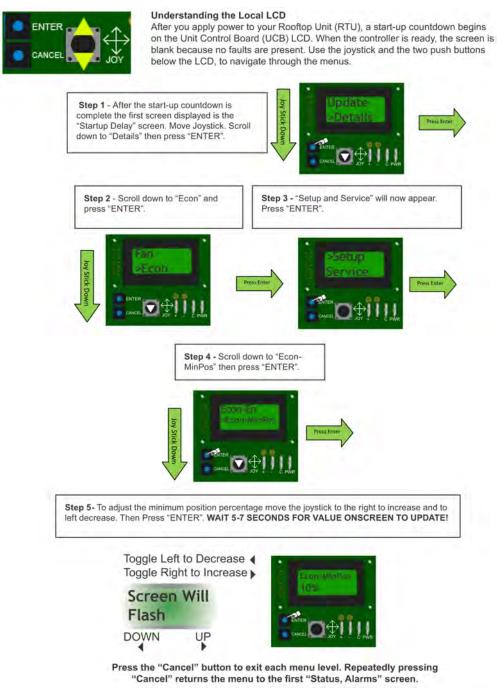
#### 4. Press ENTER.

The second line displays the version of software installed in the economizer.

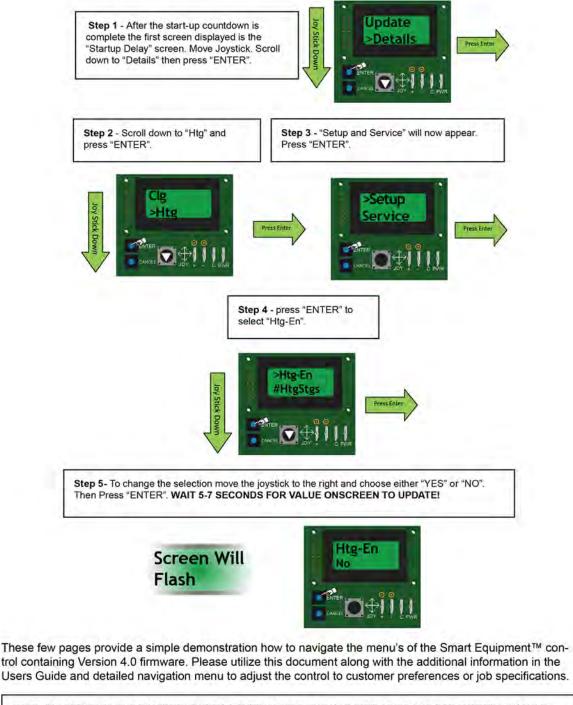
# Smart Equipment<sup>™</sup> 4.0 UCB

### navigation examples

The following section details the navigation and viewing of the LCD display screen on the Smart Equipment<sup>™</sup> control. The control is installed in various commercial Ducted Systems packaged and split system equipment. The following information provides a step-by-step demonstration on how to navigate the basic status menu and how to change basic configuration settings. The navigation steps outlined in this demonstration apply to most menus in the Smart Equipment<sup>™</sup> control.



Press the CANCEL button multiple times to exit each menu level. When the LCD returns to the Status, Alarms display the next demonstration can begin. This demonstration shows the commissioning menu.



NOTE: IF OPERATING THE EQUIPMENT WITH A THERMOSTAT, THE UCB SETPOINTS AND PARAMETERS SHOULD NOT REQUIRE ALTERATION; HOWEVER, THERE MAY BE THE CASE WHERE MINIMUM OUTSIDE AIR, LEAD-LAG OR OTHER CUSTOM SETTINGS ARE REQUIRED. PLEASE READ THIS DOCUMENT IN DETAIL TO UNDERSTAND THE IMPLICATIONS OF MAKING CHANGES BEFORE PROCEEDING. IT IS STRONGLY RECOMMENDED THAT A BACKUP OF PARAMETER SETTINGS BE SAVED ON A USB DRIVE BEFORE MAKING ANY MAJOR CHANGES TO THE CONTROL!

Figure 13: basic\_unit\_nav\_40

# SE UCB DISPLAY MENU GUIDE 4.0

>Status   Press 1x ENTER CANCEL Q Q C PWR					
MENU	Stat	tus∽			
SUB MENU	The	rmostat			
YI-TSTAT	OFF	(24vac input to YI term)			
Y2-TSTAT	OFF	(24VAC INPUT TO Y2 TERM)			
Y3-TSTAT	OFF	(24VAC INPUT TO Y3 TERM)			
Y4-TSTAT	OFF	(24vac input to Y4 term)			
WI-TSTAT	OFF	(24vac input to WI term)			
W2-TSTAT	OFF	(24vac input to W2 term)			
W3-TSTAT	OFF	(24VAC INPUT TO W3 TERM)			
G-TSTAT	OFF	(24VAC INPUT TO G TERM)			
Occ-Tstat	ON	(T-STAT INPUT ONLY)			
MENU	Status	S CF			
SUB MENU	<b>▼</b> Smo	keCtrl∞			
OPRPURGECMD	FALSE	(ACTIVEPURGECMD)			
PURGECMDSRC	RATEMP	(PurgeCmdSource)			
PURGE	FALSE	(Purge Input status)			
NETPURGE	FALSE	(PurgeCommandStatus)			
SD	NORMAL	(SD 24 VAC INPUT STATUS)			
Legend					
DEFAULT SETTINGS IN RED BLUE = UCB CONDITIONAL PARAMETER					
TAN = ECONOMIZER PRESENCE		DKGREEN = ECONOMIZER BOARD PRESENCE + ANOTHER CONDITION			
▼▲◀► Joystick navigation					
Press Enter 1 time					
✓ Press Enter Scroll Down Press Cancel to return					
to Previous Menu					

MENU	Status			
SUB MENU	▼Statu	so		
UNIT-S	IDLE	(UN	IT STATUS)	
Econ-S	DISABLED	(Ec	ONOMIZER STATUS)	
ExF-S	OFF-IDLE	(Ex	HAUST FAN STATUS)	
FAN-S	OFF-IDLE	(FA	N STATUS)	
HGR-S	OFF-IDLE	(H	OT GAS REHEAT STATUS)	
CLG-S	OFF-IDLE	(Co	OLING STATUS)	
DFS	NORMAL	(Di	RTY FILTER SWITCH)	
UCB24VAC ForOutp	.3VAC	(UC	(UCB 24VAC INPUT)	
MENU	Status			
SUB MENU	▼Sys0	▼SysCntIrs		
ECONCNTLR	NOT PRESE	NT	(Econ Brd Comm status)	
4STGCNTLR	NOT PRESE	INT	(FC BUS BACNET NETWORK ADDRESS)	
FDDMCNTLR	NOT PRESE	NT	(Refr Circ I-2 status)	
FDDSCNTLR	NOT PRESENT		(REFR CIRC 3-4 STATUS)	



MENU	▼Alarms∽			
NO EVENTS	(NO ACTIVE ALARM)			
ALARM DESCRIPTION	(MOST RECENT ALARM)			
ALARM DESCRIPTION	(2ND MOST RECENT ALARM)			
ALARM DESCRIPTION	(3RD MOST RECENT ALARM)			
ALARM DESCRIPTION	(4TH MOST RECENT ALARM)			
ALARM DESCRIPTION	(5TH MOST RECENT ALARM)			

Summary Press 1x ENTER					
CAN		JOY + - C PWR			
MENU	<b>▼</b> Sum				
SUB MENU	Sens				
SUB MENU	Oper	ational Mode			
OPROAT	73.0 F (OPERATIONAL OUTDOOR A TEMPERATURE)				
OPRST	73.0 F	(SPACE TEMPERATURE IN USE)			
OPRSSO	.0 F	(SPACE SETPT OFFSET IN USE)			
OPRSH	49.6 %H	(SPACE HUMIDITY IN USE)			
OPROAH	19%H	(OA HUMIDITY IN USE)			
OPRIAQ	477ррм	(IAQ IN USE)			
OPROAQ	990PPM	(OUTDOORAIRQUALITY IN USE)			
OPRPURGECMD	FALSE (ACTIVEPURGECMD)				
MENU	<b>▼</b> Sumr	mary			
SUB MENU	Sens	ors 🕫			
SUB MENU	▼Sens	ors 🕾			
SAT	(60.7 F)	(S A TEMP THERMISTER INPUT)			
RAT	(73.0 F)	(R A TEMP THERMISTER INPUT)			
OAT	73.0 F	(UCB OAT THERMISTORINPUT)			
OATSRC	LOCAL INPUT	(OUTDOORAIRTEMP SOURCE)			
ST	69.9 F	(SPACE TEMPERATURE INPUT)			
STSRC	NETWORK SENSOR	(SPACE TEMPERATURE SOURCE)			
STALARMOFFSET	(5 F)	(SPACE TEMPERATURE ALARM SETPOINT OFFSET)			
STALARMDELAY	(60MIN)	(SPACE TEMPERATURE ALARM TIME DELAY)			
SSO	.0 F	(SPACE TEMP SETPOINT OFFSET INPUT)			
12-12-2010	NETWORK	SPACE TEMPERATURE SETPOINT			

MENU	<b>▼</b> Sum	mary
SUB MENU	∽▼Se	nsors
SUB MENU	▼Sens	sors ~
SSORANGE	(3.0 F)	(SPACE TEMPERATURE SETPOINT OFFSET RANGE)
RAH	79.4 %H	(SPACE HUMIDITY RAH INPUT)
SHSRC	LOCAL INPUT	(SPACE HUMIDITY SOURCE)
OAH	50.2 %H	(OUTDOOR AIR HUMIDITY INPUT)
OAHSRC	LOCAL INPUT	OUTDOOR AIR HUMIDITY SOURCE
IAQ	477PPM	(IAQ 0-10 VDC INPUT)
IAQSRC	LOCAL INPUT	(INDOOR AIR QUALITY SOURCE)
OAQ	477ррм	(OAQ 0-IOVDC INPUT)
OAQSRC	LOCAL INPUT	(OUTDOOR AIR QUALITY SOURCE)
PURGECMDSR	C RATEMP	(PURGECMDSOURCE)
SAH	49%H	(SAH 0-10 VDCINPUT)
MAT	70 F	(MIXED AIR TEMPERATURE)
BLDGPRES	.095"/w	(BUILDING STATIC PRESSURE)
DCTPRS	1.50"/w	(DUCTPRES 0-5VDC INPUT)
MENU	<b>▼</b> Summ	ary
SUB MENU	▼Unit∽	
NAME	RTUxxxx	(14 CHARACTER MAX)
MODEL#	RTUxxxxx	(14 CHARACTER MAX)
SERIAL#	DEFAULT_SER	IAL (14 CHARACTER MAX)
MODELNAME		(Model Name)
UNIT-S	IDLE	(Unit Status)
UNITEN	ENABLE	(UNIT ENABLE)
HDWRRESET	No	(HARDWARE RESET)
RESETLO	OFF	(RESET LOCKOUTS)

▼▲◀▶ Joystick navigation∽Press Enter 1 time

✓ Press Enter Scroll Down
 Press Cancel to return
 to Previous Menu



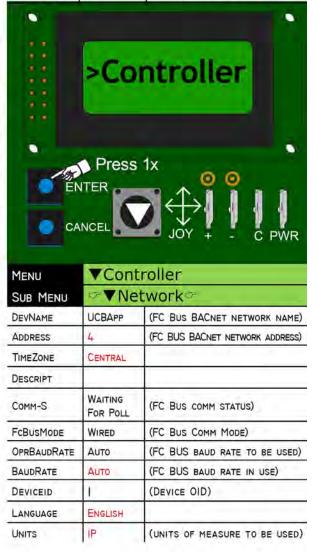
Legend		
DEFAULT SETTINGS IN RED	BLUE = UCB CONDITIONAL PARAMETER	
Tan = Economizer Board Presence	DKGREEN = ECONOMIZER BOARD PRESENCE + ANOTHER CONDITION	

Commission Press 1x ENTER ENTER CANCEL					
MENU	▼Com	mission			
SUB MENU	Quic	k Start∽			
#ClgStgs	4	NUMBER OF COOLING STAGES			
#HTGSTGS	3	Number of Heating Stages Installed			
#HTPUMPSTGS	0	NUMBER OF HEAT PUMP STAG- ES INSTALLED			
#REFRIGSYS	4	NUMBER OF REFRIG SYSTEMS			
FANCTL-TYPE	SINGLE SPEED	FAN CONTROL TYPE			
TSTAT-ONLY	YES	THERMOSTAT ONLY CONTROL ENABLED			
FANONOCC	YES	CONTINUOUS FAN OPERATION			
Econ-MinPos	96	ECONOMIZER MINIMUM POSITION SETPOINT			
SAT	DEG F	SUPPLY AIR TEMPERATURE			
RAT	DEG F	RETURN AIR TEMPERATURE			
OAT	DEG F	Outdoor Air Temperature Input			
CLG-S	OFF-IDLE	COOLING STATUS			
Htg-S	OFF-IDLE	Heating Status			
CLG-EN	YES	Cooling Mode Enabled For Operation			
Unique Equipment Identifier	STANDARD	UNIQUE EQUIPMENT IDENTIFIER			
MENU	▼Com	mission			
SUB MENU	Standard				
OCCMODE	SCHEDULE OCCUPANCY MODE				

MENU		▼Commission			
SUB MENU		∽Standard ∞		ndard∽	
TSTAT-ONLY		Yes		(T-STAT INPUT ONLY)	
CLG-EN		YES		(COOLING ENABLED/DISABLED)	
#ClgStgs		4		(COOLING ENABLED/DISABLED)	
Htg-En	1	YES		(HEATING ENABLED/DISABLED)	
#HTGSTGS		3		(Number of Heating Stages Installed)	
ECON-EN		YES.		(PERMIT FREE COOLING OPER- ATION)	
Econ-MINPos		2096		(OccEconoMinPos)	
LOWSPEEDFAN-MINP	os	25%	-	(AI-IN 0-IOVDC INPUT)	
FANONOCC		YES		(CV CONSTANTFANOCCUPIED MODE)	
SATCOOLLIMIT-EN		YES		(ENABLE SAT LIMIT)	
SATCOOLLIMIT-SP		50 F		(SAT LIMIT SETPT)	
CLGOATCUTOUT-EN	N	YES		(LOWAMBCOMP LO)	
CLGOATCUTOUT		45 F		(LOAMBCOMPLO STPT)	
UNIQUE EQUIPMENT IDENTIFIER		STANDARD		Unique Equipment Identifier	
MENU VCO		mn	nission		
SUB MENU	5	VC	)pti	ions	
FANCTL-TYPE	SINGLE		(ID	Blower Type)	
EXFTYPE	NONE		(Pov	VER EXH FAN MODE SELECTION)	
#REFRIGSYS	4		(#R	efrig Circuits)	
LOWAMB-EN	YES	5-	(Lov	N AMBIENT ENABLED)	
LEADLAG-EN	No		(Eau	JALCOMPRUNTIME)	
HGP-INST	No	6	(Ho	(HOT GAS BYPASS INSTALLED)	
HTG-EN	YES	5	(HEATING ENABLED/DISABLED)		
HTG-TYPE	ST	AGED	(HE	(HEATING CONTROL METHOD)	
SATHTGLIMIT-EN	YES	5	SAT AIR TEMP LIMIT FOR HEATING		
SATHTGLIMIT-SP	140	F	19.00	' Air Temp Limit For Heating point	
HTGOATCUT- out-Sp	75 F		OUTDOOR AIR TEMP HEATING CUT- OUT SETPOINT		
APSSETUP	NONE		AIR	PROVING SWITCH SETUP	
DFSINST	YES	5	DIRT	TY FILTER SWITCH INSTALLED	
DVENT-MODE	YES	5		AND VENTILATION MODE OF	
HGR-EN	No		1.1	GAS REHEAT ENABLED FOR RATION	
MORNW-EN	No		MOR	NING WARMUP ENABLED	

MENU		▼Commission			
SUB MENU		0.	ptions		
#HTPUMPSTGS	0		NUMBER OF HEAT PUMP STAGES		
LOWAMBFANPR RUNCOOL	E-	60sec	LOW AMBIENT FAN PRE-RUN TIME FOR COOLING		
PIDTUNRST		FALSE	PID TUNING RESET		
LOWAMBSTART	1	YES	LOW AMBIENT START		
SZVAVEN		OFF	SZ VAV ENABLED		
NETOCCTIME- OUTEN		DIS- ABLE	NETWORK OCCUPANCY TIMEOUT Enable		
NETOCCTIMEOU Тіме	T-	15min	NETWORK OCCUPANCY TIMEOUT TIME		
PressurizeNot Purge	r-	No	Pressurize Instead Of Purge		
CoolDuring- HeatLimit		No	Cooling Allowed During Heat		
FDDALARMEN		ENABLE	FDD ALARM ENABLE		
MENU		Com	mission		
SUB MENU	2	VNe	twork Setup		
FCBUSMODE	WIRED		(FC BUS COMM MODE)		
Address	4		(FCBUSBACNETNETWORKADDRESS)		
DEVICELD	1		(DEVICE OID)		
BAUDRATE	A	JTO	(FC BUS BAUD RATE IN USE)		
DevName	UCBAPP		(FCBUSBACNETNTWRKNAME)		
ENCODETYPE	1.	NSI X3.	BACNET ENCODING TYPE		
MENU		Com	mission		
SUB MENU	0	VCo	mmissioning Mode		
Commission- Ing Mode	ENABLE		(Commissioning Mode)		
CommishTim- eRemaining	м	INUTES	(Commissioning Time Remaining)		
EXTENDCOM- MISHTIME	YE	s	(Extend Commissioning Time)		
UNITEN	SI	UTDOWN	(UNIT ENABLE)		
Fan	01	N	(SUPPLY FAN COMMAND)		
FANVFD	%	l.	(Fan % Command)		
CI	0	N	(COMPRESSOR STAGE COMMAND I)		
C2	0	Ň	(COMPRESSOR STAGE COMMAND 2)		
C3	0	N	(COMPRESSOR STAGE COMMAND 3)		
C4	0	4	(COMPRESSOR STAGE COMMAND 4)		
CN-FAN	0	N	(Condenser Fan I)		
CF2	0	N	(Condenser Fan 2)		
HI	0	N	(HEATING STAGE COMMAND I)		

MENU	▼Commission		
SUB MENU	✓Commissioning Mode		
H2	ON	(HEATING STAGE COMMAND 2)	
H3	ON	(HEATING STAGE COMMAND 3)	
HGR	%	(HOT GAS REHEAT)	
HOT GAS REHEAT BLEED VALVE COMMAND	CLOSE	(HOT GAS REHEAT BLEED Valve Command)	
ECON	%	(ECONOMIZER DAMPER % COM- MAND)	
EXFANVFD	%	(Exhaust Fan VFD % Command)	
ExFan	ON	(EXHAUST FAN COMMAND)	
EAD-0	%	(Exhaust Damper % Command)	
CANCEL ASCD TIMERS	No	(CANCEL ASCD TIMERS)	



MENU	▼Controller			
SUB MENU	∽▼Network∽			
#NETSEN- sors	I (NUMBER ( ONLINE)		of Network Sensors	
RELEARN	FALSE	(RELEARN	System)	
ENCODETYPE	ISO 10646 (UCS-2)	BACNET E	ENCODING TYPE	
MENU	▼Cont	roller		
SUB MENU	Firm			
SUB MENU	<b>UCB</b>	7		
FIRM-S	FIRMWARE VE	RSIONS OK	(FIRMWARE STATUS)	
FIRMVER	4.0.0.XXXX		(FIRMWARE VERSION)	
UCBMAINVER	4.0.0.XXXX		(FIRMWARE REVISION)	
UCBAPPVER	4.0.0.XXXX		(SOFTWARE APP REV)	
UCBHARDVER	001		(HARDWARE REVISION)	
MENU	▼Cont	roller		
SUB MENU	∞Firm			
SUB MENU	Econ	¢-		
ECONMAINVER	4.0.0.XXXX	_	(FIRMWARE REVISION)	
ECONAPPVER	1223_2017.9.6.255		(SOFTWARE APP REV)	
ECONHARDVER	001		(HARDWARE REVISION)	
MENU	▼Cont	roller		
SUB MENU	∽Firm			
SUB MENU	ප4 Stageග			
4STGMAINVER	4.0.0.XXXX		(FIRMWARE REVISION)	
4STGAPPVER	1223_2017.9.6.255		(SOFTWARE APP REV)	
4StgHardVer	001		(HARDWARE REVISION)	
MENU	▼Cont	roller		
SUB MENU	Firm			
SUB MENU	∽FDD Master∽			
FDDMMAINVER	4.0.0.XXXX		(FIRMWARE REVISION)	
FDDMAPPVER	1223_2017.9.	6.255	(SOFTWARE APP REV)	
FDDMHARDVER	001		(HARDWARE REVISION)	
MENU	▼Controller			
SUB MENU	∽Firm	( <del>-</del>		
SUB MENU	∽FDD	Slave	7	
FDDMMAINVER	4.0.0.XXXX		(FIRMWARE REVISION)	
FDDMAPPVER	1223_2017.9.	6.255	(SOFTWARE APP REV)	
FDDMHARDVER	001		(HARDWARE REVISION)	

MENU	▼Controller				
SUB MENU	✓▼NetworkInputs				
NETST		(FC BUS SPACE TEMP)			
NETSSO	11.	(FC BUSSPACESETPTOFFSET)			
NETSH	. i	(FC BUSSPACEHUMIDITY)			
NETOCC	NOT SET	(FC BUSOCCUPNCYSTATUS)			
NETTEMPOCC	FALSE	(TEMPOCCCOMMAND)			
NETIAQ		(FC BUS IAQ VALUE)			
NETFANREQ		(FC BUSFANON REQST)			
NETOAT		(FC BUS OA TEMP)			
NETOAH		(FC BUS OA HUMIDITY)			
NETOAQ		(FC BUS OA QUALITY)			
NETPURGE		(FC BUSPURGE COMAND)			
DIRLOADSHD	YES/No	(DIRECT LOADSHED)			
REDLINE	YES/NO	(REDLINE)			
MENU	▼Controller				
SUB MENU	₩FDD				
UNITTYPE					
EER					
SUBCOOLGOAL					
REFRIGTYPE					
HISIDEPORTLOC					
EVAPCOIL-TYPE	L-TYPE				
CONDCOIL-TYPE	ONDCOIL-TYPE				
INMETERDEV-TYPE					
OUTMETERDEV-	Гүре				
UNITCAP					
FANPOWER					
SUPERHEATGOA	<u>.</u>				
ALTITUDE		No.			
MENU	▼Contro				
SUB MENU	Time	9			
TIME ZONE	CENTRAL				
DAYLIGHTSAV	FALSE				
TIMEFORMAT	FALSE				
MENU	<b>▼</b> Cont	roller			
SUB MENU	∽▼De	scription			
CNTRLTYPE	CV	(ROOFTOP CONTROLLER TYPE)			
EQUIPTYPE	RTU	(ROOFTOP EQUIPMENT TYPE)			

	-	•	SUB MENU	▼Upd ▼▼Ex Missing	ate port Trend∽	
	>Up Press NTER ANCEL	$\frac{1}{2} \bigoplus_{JOY}^{1} \bigoplus_{r} \bigoplus_{C PWR}^{0}$			etails	
MENU SUB MENU 4.0.0.XXXX	View	Ver				
MENU	1	Update	MENU	▼De		
SUB MENU	5	▼LoadFirm ∞	SUB MENU	œ OC	Co	
No Package F		OR USB W/FIRMWARE MUST BE PRESENT	OCCMODE	EXTER-	OCCUPANCY MODE	
SUB MENU	TBac		occ	UNOC-	(Occupancy Input)	
BKP:WAIT	BCFG 0%		-	UNOC-		
MENU		Update	OPROCC	CUPIED	(OCCUPANCY STATUS)	
SUB MENU	G	▼Restore ∽	OCCSRC	LOCAL	(Occ/UNOCC STATUS SOURCE)	
	BACKUPCONFIG	and the second se	Темросс	DISABLE	(TEMPORARY OCCUPANCY INPUT)	
Menu Sub Menu		Update ▼Full Clone∽	TEMPOCCTIM- EOUT	120	(TEMPORARY OCCUPANCY TIME- OUT)	
	BACKUPCONFIG		OFFDURUNOCC	No	(OFF DURING OCCUPIED)	
MENU		'Update	OPTSTRT-EN	No	(OPTIMAL START ENABLED)	
SUB MENU	0	▼Partial Clone →	EARLYSTRTPE-	60MIN	(EARLY START PERIOD)	
>SERIALFLASH/		Update	PREOCCPUR-		(PRE OCCUPANCY PURGE ENABLE)	
SUB MENU		▼Factry Default <sup>©</sup>	PREOCCPURGE-	60	(PRE OCCUPANCY PURGE TIME)	
CONFIRM		42	PREOCCUP-	90	(PRE OCCUPANCY PURGE UPPER	
MENU VUpdate			SAT_SP	30	Setpoint)	
SUB MENU	∽▼Tir		PREOCCLOW- SAT_SP	45	(PRE OCCUPANCY PURGE LOWER SETPOINT)	
>Hour	0	(O THROUGH 23)	Legend		SETFUINT)	
MINUTE	U.	(O THROUGH 59)	DEFAULT SETTIN	IGS IN DEP	BLUE = UCB CONDITIONAL	
DAY	1	(I THROUGH 3I)	DEFAULT SETTIF	NOS IN REL	PARAMETER	
MONTH	1	(I THROUGH 12)	TAN = ECONOMIZER	BOARD	DKGREEN = ECONOMIZER BOARD	
YEAR	2000	(1900 THROUGH 2155)	PRESENCE		PRESENCE + ANOTHER CONDITION	

MENU	▼De	tails
SUB MENU	~VC	lg
SUB MENU		etup 🕾
CLG-EN	YES	(COOLING ENABLED/DISABLED)
#ClgStgs	1	(# OF COOLING STAGES)
#REFRIGSYS	4	(# OF REFRIG SYSTEMS)
CLGOCC-SP	72 F	(CV Occ Cooling set point)
CLGUNOCC-SP	85 F	(CV UNOCC COOLING SET POINT)
CI-EN	YES	(CI 24VACOUTPUTENABLED)
C2-EN	YES	(C2 24VAC OUTPUT ENABLED)
C3-EN	YES	(C3 24vacOutputEnabled)
C4-EN	YES	(C4 24VACOUTPUTENABLED)
MINRTCOOLSTG	3MIN	(MINCOMPRUNTIME)
SZVAVCLGOcc-SP	FALSE	(SZ VAV OCCUPIED COOLING SETPOINT)
SZVAVCLGUNOCC-SP	FALSE	(SZ VAV UNOCCUPIED COOL- ING SETPOINT)
COMMON-SP	FALSE	(COMMON SETPOINT)
Auto Changeover	FALSE	(Auto Changeover)
Heat Cool Setpoint Mode	FALSE	(Heat Cool Setpoint Mode)
CLGADAPTUNEN	YES	(COOLING AUTO TUNE ENABLE)
LOWAMB-EN	No	(LOW AMBIENT ENABLED)
LOWAMBIOON5OFFSP	45 F	(LOAMBOPSETPT)
LEADLAG-EN	No	(EQUALCOMPRUNTIME)
CLGOATCUTOUT-EN	YES	(LOWAMBCOMP LO)
CLGOATCUTOUT	45 F	(LOAMBCOMPLO STPT)
SATCOOLLIMIT-EN	YES	(ENABLE SAT LIMIT)
SATCOOLLIMIT-SP	45 F	(SAT LIMIT SETPT)
HGP-INST	No	(HOT GAS BYPASS PRES- ENT)
FREEZE-SP	26.0 F	(FREEZE CONDITION SET- POINT)
PMPOUT-EN	DIS- ABLE	(PUMP OUT ENABLE)
LOWAMBFANPRERUN- Cool	60sec	(Low Ambient Fan Pre-run Time For Cooling)
CLGMANUALTUNE	No	(COOLING MANUAL TUNING)
LOWAMBSTART	No	(LOW AMBIENT START)
4PIPEENA	No	(4 PIPE SPLIT ENABLE)

SUB       MENU       ✓ VCIg         SUB       MENU       ✓ VSErvice         SUB       MENU       ✓ Unit         STGCLGCMD       0%       (STAGED COOLING COMMAND)         OPRCVCLG-SP       72 F       (CV cooLING SET PT IN USE)         OPRVAVCLG-SP       FALSE       (VAV OPERATING COOLING SUPPLY AIR TEMP SETPOINT)         OPRSZVAVCLG-SP       FALSE       (SZ VAV OPERATING COOLING SETPOINT)         CLG-S       OFF-IDLE       (CooLING STATUS)         OPROAT       73.0 F       (SPERATURE)         OPRST       73.0 F       (SPERATURE)         OPRST       73.0 F       (UCB RAT THERMISTOR INPUT)         ECON-FREE       NO       (FREE COOLING AVAILABILITY)         SAT       60.7 F       (UCB SAT THERMISTOR INPUT)         Y2-TSTAT       OFF       (Z4vac INPUT TO Y1 TERM)         Y2-TSTAT       OFF       (Z4vac INPUT TO Y2 TERM)         Y3-TSTAT       OFF       (CVAC OUTPUT TO Y3 TERM)         Y4-TSTAT       OFF       (Z4vac INPUT TO Y4 TERM)         Y4-TSTAT       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CI SAT THERMISTOR)         SUB       MENU       ✓ CIg       Z4 vAC OUTPUT)         CF2	MENU		<b>▼</b> Det	ta	ils		
SUB MENU       ✓ VService         SUB MENU       ✓ Unit         STGCLGCMD       0%       (STAGED COOLING COMMAND)         OPRCVCLG-SP       72 F       (CV cooling SET PT IN USE)         OPRVAVCLG-SP       FALSE       (VAV OPERATING COOLING SUPPLY AIR TEMP SETPOINT)         OPRSZVAVCLG-SP       FALSE       (SZ VAV OPERATING COOLING SETPOINT)         CLG-S       OFF-IDLE       (Cooling STATUS)         OPROAT       73.0 F       (SPACE TEMPERATURE IN USE)         OPRST       73.0 F       (SPACE TEMPERATURE IN USE)         RAT       73.0 F       (SPACE TEMPERATURE IN USE)         RAT       73.0 F       (UCB RAT THERMISTOR INPUT)         ECON-FREE       NO       (FREE COOLING AVAILABILITY)         SAT       60.7 F       (UCB SAT THERMISTOR INPUT)         Y2-TSTAT       OFF       (Z4vac INPUT TO Y2 TERM)         Y3-TSTAT       OFF       (Z4vac INPUT TO Y2 TERM)         Y4-TSTAT       OFF       (CAVAC OUTPUT)         CN-FAN       OFF       (CAVAC INPUT TO Y4 TERM)         Y4-TSTAT       OFF       (CAVAC OUTPUT)         CF2       OFF       (CC1 Z4VAC OUTPUT)         CF2       OFF       (CC1 Z4VAC OUTPUT)         CF2       OFF	SUB MENU		∽▼Clg				
STGCLGCMD0%(STAGED COOLING COMMAND)OPRCVCLG-SP72 F(CV COOLING SET PT IN USE)OPRVAVCLG-SPFALSE(VAV OPERATING COOLING SUPPLY AIR TEMP SETPOINT)OPRSZVAVCLG-SPFALSE(SZ VAV OPERATING COOLING SETPOINT)CLG-SOFF-IDLE(COOLING STATUS)OPROAT73.0 F(OPERATIONAL OUTDOOR AIR TEMPERATURE)OPRST73.0 F(SPACE TEMPERATURE IN USE)RAT73 F(UCB RAT THERMISTOR INPUT)ECON-FREENO(FREE COOLING AVAILABILITY)SAT60.7 F(UCB SAT THERMISTOR INPUT)Y1-TSTATOFF(Z4VAC INPUT TO Y1 TERM)Y2-TSTATOFF(Z4VAC INPUT TO Y2 TERM)Y4-TSTATOFF(Z4VAC INPUT TO Y3 TERM)Y4-TSTATOFF(CN-FAN 24 VAC OUTPUT)CF2OFF(CF2 24 VAC OUTPUT)SUB MENU $\checkmark$ VCIgSUB MENU $\checkmark$ VCIgSUB MENU $\checkmark$ VSIGUESUB MENU $\checkmark$ VSIGUESUB MENU $\checkmark$ VSIGUECI-SOFF - IDLECI-SOFF - ID	SUB MENU						
OPRCVCLG-SP72 F(CV cooling set PT IN USE)OPRVAVCLG-SPFalse(VAV OPERATING COOLING SUPPLY AIR TEMP SETPOINT)OPRSZVAVCLG-SPFalse(SZ VAV OPERATING COOLING SETPOINT)CLG-SOFF-IDLE(COOLING STATUS)OPROAT73.0 F(OPERATIONAL OUTDOOR AIR TEMPERATURE)OPRST73.0 F(SPACE TEMPERATURE IN USE)RAT73 F(UCB RAT THERMISTOR INPUT)ECON-FREENO(FREE COOLING AVAILABILITY)SAT60.7 F(UCB SAT THERMISTOR INPUT)Y1-TSTATOFF(Z4VAC INPUT TO Y1 TERM)Y2-TSTATOFF(Z4VAC INPUT TO Y2 TERM)Y3-TSTATOFF(Z4VAC INPUT TO Y3 TERM)Y4-TSTATOFF(CN-FAN 24 VAC OUTPUT)CN-FANOFF(CN-FAN 24 VAC OUTPUT)CF2OFF(CR-FAN 24 VAC OUTPUT)SUB MENU $\checkmark$ VCIgSUB MENU $\checkmark$ VSIgSUB MENU $\checkmark$ VSIgCI-SOFF(CI 24VAC OUTPUT)STATUS)CIOFF(CI 24VAC OUTPUT)TATUS)CIONTMR180 SEC(CIMINRUNTIMEREMAIN)CIASCDTMR300 SEC(CI ASC TIMEREMAIN)CI-EI? %(EFFICIENCY INDEX I)CI-CI? F(CAPACITY INDEX I)CI-CI? F(CAPACITY INDEX I)CI-CONDTEMPOVAMB(CONDENSING TEMP OVER AMBIENT I)CI-CONDTEMPOVALUE(EVAP TEMP VALUE CIRCUIT I)CI-CONTEMPOVALUE(EVAP TEMP VALUE CIRCUIT I)CI-CONTEMPOVALUE(EVAP TEMP VALUE CIRCUIT I)CI-CONTEMPOVALUE <td< td=""><td>SUB MENU</td><td></td><td colspan="4"></td></td<>	SUB MENU						
OPRVAVCLG-SP       FALSE       (VAV OPERATING COOLING SUPPLY AIR TEMP SETPOINT)         OPRSZVAVCLG-SP       FALSE       (SZ VAV OPERATING COOLING SETPOINT)         CLG-S       OPF-IDLE       (COOLING STATUS)         OPROAT       73.0 F       (OPERATIONAL OUTDOOR AIR TEMPERATURE)         OPRST       73.0 F       (SPACE TEMPERATURE IN USE)         RAT       73 F       (UCB RAT THERMISTOR INPUT)         ECON-FREE       NO       (FREE COOLING AVAILABILITY)         SAT       60.7 F       (UCB SAT THERMISTOR INPUT)         Y1-TSTAT       OFF       (Z4VAC INPUT TO YI TERM)         Y2-TSTAT       OFF       (Z4VAC INPUT TO Y2 TERM)         Y3-TSTAT       OFF       (Z4VAC INPUT TO Y4 TERM)         Y4-TSTAT       OFF       (CN-FAN 24 VAC OUTPUT)         Y4-TSTAT       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CF2 24 VAC OUTPUT)         Y4-TSTAT       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CI 24VAC OUTPUT)         CF2       OFF       (CI 24VAC OUTPUT)         SUB MENU       ✓ VCIg       SUB MENU         SUB MENU       ✓ CIg       (CI 24VAC OUTPUTSTATUS)         CI-S       OFF       (CI 24VAC OUTPUTSTATUS)	STGCLGCMD				14		
OPRVAVCLG-SP     FALSE     SUPPLY AIR TEMP SETPOINT)       OPRSZVAVCLG-SP     FALSE     (SZ VAV OPERATING COOLING SETPOINT)       CLG-S     OFF-IDLE     (COOLING STATUS)       OPROAT     73.0 F     (OPERATIONAL OUTDOOR AIR TEMPERATURE)       OPRST     73.0 F     (SPACE TEMPERATURE IN USE)       RAT     73 F     (UCB RAT THERMISTOR INPUT)       ECON-FREE     NO     (FREE COOLING AVAILABILITY)       SAT     60.7 F     (UCB SAT THERMISTOR INPUT)       Y2-TSTAT     OFF     (Z4VAC INPUT TO Y1 TERM)       Y2-TSTAT     OFF     (Z4VAC INPUT TO Y2 TERM)       Y3-TSTAT     OFF     (Z4VAC INPUT TO Y3 TERM)       Y4-TSTAT     OFF     (Z4VAC INPUT TO Y4 TERM)       Y4-TSTAT     OFF     (CN-FAN 24 VAC OUTPUT)       CF2     OFF     (CF2 24 VAC OUTPUT)       CF2     OFF     (CF2 24 VAC OUTPUT)       CF2     OFF     (CS2 24 VAC OUTPUT)       SUB MENU     ✓ VCIg     SUB MENU       SUB MENU     ✓ CIG     (COMPRESSOR STAGE STATUS)       CI-S     OFF     (CI 24VACOUTPUTSTATUS)       CIONTMR     180 SEC     (CIMINRUNTIMEREMAIN)       CIASCDTMR     300 SEC     (CI ASC TIMERMAIN)       CIASCDTMR     300 SEC     (CI ASC TIMEREMAIN)       CI-CI <t< td=""><td>OPRCVCLG-SP</td><td></td><td>72 F</td><td></td><td>(CV COOLING SET PT IN USE)</td></t<>	OPRCVCLG-SP		72 F		(CV COOLING SET PT IN USE)		
OPRSZVAVCLG-SP       FALSE       SETPOINT)         CLG-S       OFF-IDLE       (COOLING STATUS)         OPROAT       73.0 F       (OPERATIONAL OUTDOOR AIR TEMPERATURE)         OPRST       73.0 F       (SPACE TEMPERATURE IN USE)         RAT       73 F       (UCB RAT THERMISTOR INPUT)         ECON-FREE       NO       (FREE COOLING AVAILABILITY)         SAT       60.7 F       (UCB SAT THERMISTOR INPUT)         Y1-TSTAT       OFF       (Z4VAC INPUT TO YI TERM)         Y2-TSTAT       OFF       (Z4VAC INPUT TO Y2 TERM)         Y3-TSTAT       OFF       (Z4VAC INPUT TO Y3 TERM)         Y4-TSTAT       OFF       (CK-FAN 24 VAC OUTPUT)         CF2       OFF       (CF2 24 VAC OUTPUT)         CF2       OFF       (CF2 24 VAC OUTPUT)         MENU       ✓ Clg         SUB MENU       ✓ VClg         SUB MENU       ✓ VStage1         CI-S       OFF - IDLE       (COMPRESSOR STAGE STATUS)         CI       OFF       (CI 24VACOUTPUTSTATUS)         CIONTMR       I80 SEC       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 SEC       (CI ASC TIMEREMAIN)         CIASCDTMR       300 SEC       (CI ASC TIMEREMAIN)         CI-EI <td>OPRVAVCLG-SP</td> <td></td> <td>FALSE</td> <td></td> <td></td>	OPRVAVCLG-SP		FALSE				
OPROAT         73.0 F         (OPERATIONAL OUTDOOR AIR TEMPERATURE)           OPRST         73.0 F         (SPACE TEMPERATURE IN USE)           RAT         73 F         (UCB RAT THERMISTOR INPUT)           ECON-FREE         NO         (FREE COOLING AVAILABILITY)           SAT         60.7 F         (UCB SAT THERMISTOR INPUT)           Y1-TSTAT         OFF         (Z4VAC INPUT TO Y1 TERM)           Y2-TSTAT         OFF         (Z4VAC INPUT TO Y2 TERM)           Y3-TSTAT         OFF         (Z4VAC INPUT TO Y3 TERM)           Y4-TSTAT         OFF         (Z4VAC INPUT TO Y4 TERM)           Y4-TSTAT         OFF         (CCF2 24 VAC OUTPUT)           CF2         OFF         (CF2 24 VAC OUTPUT)           CF2         OFF         (CF2 24 VAC OUTPUT)           CF2         OFF         (CF2 24 VAC OUTPUT)           SUB MENU         ▼Clg         SUB MENU           SUB MENU         ▼Clg         SUB MENU           CI-S         OFF - IDLE         (COMPRESSOR STAGE STATUS)           CI         OFF - IDLE         (COMPRESSOR STAGE STATUS)           CI         OFF - IDLE         (CIMINRUNTIMEREMAIN)           CIASCDTMR         180 SEC         (CIMINRUNTIMEREMAIN)           CIASCDTMR <td>OPRSZVAVCLG-S</td> <td>SP</td> <td>False</td> <td></td> <td>And the standard standard</td>	OPRSZVAVCLG-S	SP	False		And the standard standard		
OPROAI         73.0 F         TEMPERATURE)           OPRST         73.0 F         (SPACE TEMPERATURE IN USE)           RAT         73 F         (UCB RAT THERMISTOR INPUT)           ECON-FREE         NO         (FREE COOLING AVAILABILITY)           SAT         60.7 F         (UCB SAT THERMISTOR INPUT)           Y2-TSTAT         OFF         (24vac INPUT TO Y1 TERM)           Y2-TSTAT         OFF         (24vac INPUT TO Y2 TERM)           Y3-TSTAT         OFF         (24vac INPUT TO Y3 TERM)           Y4-TSTAT         OFF         (24vac INPUT TO Y4 TERM)           Y4-TSTAT         OFF         (CN-FAN 24 VAC OUTPUT)           CF2         OFF         (CF2 24 VAC OUTPUT)           CF2         OFF         (CF2 24 VAC OUTPUT)           SUB MENU         ✓ VCIg         SUB MENU           SUB MENU         ✓ VSCIUS         SUB MENU           CI-S         OFF - IDLE         (COMPRESSOR STAGE STATUS)           CI         OFF         (CI 24vacOUTPUTSTATUS)           CIONTMR         I80 SEC         (CIMINRUNTIMEREMAIN)           CIASCDTMR         300 SEC         (CI ASC TIMEREMAIN)           CI-CI         ? F         (CAPACITY INDEX I)           CI-CI         ? F	CLG-S		OFF-IDL	E	(COOLING STATUS)		
RAT       73 F       (UCB RAT THERMISTOR INPUT)         ECON-FREE       No       (FREE COOLING AVAILABILITY)         SAT       60.7 F       (UCB SAT THERMISTOR INPUT)         Y1-TSTAT       OFF       (24vac INPUT TO Y1 TERM)         Y2-TSTAT       OFF       (24vac INPUT TO Y2 TERM)         Y3-TSTAT       OFF       (24vac INPUT TO Y3 TERM)         Y4-TSTAT       OFF       (24vac INPUT TO Y4 TERM)         CN-FAN       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CN-FAN 24 VAC OUTPUT)         V4-TSTAT       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CI C2 24 VAC OUTPUT)         MENU       ▼Details       SUB MENU         SUB MENU       ▼Service         SUB MENU       ▼Stage1         CI-S       OFF       IDLE       (COMPRESSOR STAGE STATUS)         CI       OFF       IDLE       (COMPRESSOR STAGE STATUS)         CI       OFF       (CI 24vacOUTPUTSTATUS)       (IASCDTMR         I80 Sec       (CIMINRUNTIMEREMAIN)       (IASCDTMR       0 HR       (CI OUTPTAccumRunTIME)       (I-EI         CI-CI       ? F       (CAPACITY INDEX I) </td <td>OPROAT</td> <td></td> <td>73.0 F</td> <td></td> <td></td>	OPROAT		73.0 F				
ECON-FREE         N0         (FREE COOLING AVAILABILITY)           SAT         60.7 F         (UCB SAT THERMISTOR INPUT)           YI-TSTAT         OFF         (24vac INPUT TO YI TERM)           Y2-TSTAT         OFF         (24vac INPUT TO Y2 TERM)           Y3-TSTAT         OFF         (24vac INPUT TO Y2 TERM)           Y4-TSTAT         OFF         (24vac INPUT TO Y3 TERM)           Y4-TSTAT         OFF         (24vac INPUT TO Y4 TERM)           CN-FAN         OFF         (CN-FAN 24 VAC OUTPUT)           CF2         OFF         (CF2 24 VAC OUTPUT)           MENU         ✓ Details           SUB MENU         ✓ VClg           SUB MENU         ✓ VService           SUB MENU         ✓ VStage1           CI-S         OFF         IDE           OFF         IDE         (COMPRESSOR STAGE STATUS)           CI         OFF         IDE           CINTMR         I80 SEC         (CI ASC TIMEREMAIN)           CIASCDTMR         300 SEC         (CI ASC TIMEREMAIN)           CIASCDTMR         0 HR         (CI OUTPTACCUMRUNTIME)           CI-CI         ? F         (CAPACITY INDEX I)           CI-CI         ? F         (CONDENSING TEMP OVER AMBIENT I)	OPRST		73.0 F		(SPACE TEMPERATURE IN USE)		
SAT       60.7 F       (UCB SAT THERMISTOR INPUT)         YI-TSTAT       OFF       (24vac INPUT TO YI TERM)         Y2-TSTAT       OFF       (24vac INPUT TO Y2 TERM)         Y3-TSTAT       OFF       (24vac INPUT TO Y3 TERM)         Y4-TSTAT       OFF       (24vac INPUT TO Y3 TERM)         Y4-TSTAT       OFF       (24vac INPUT TO Y4 TERM)         CN-FAN       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CF2 24 VAC OUTPUT)         CF2       OFF       (CF2 24 VAC OUTPUT)         MENU       VDetails         SUB MENU       VService         SUB MENU       VStage1         CI-S       OFF       (CI 24vacOutPUTSTATUS)         CI       OFF       (CI 24vacOutPUTSTATUS)         CIONTMR       180 Sec       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 Sec       (CI ASC TIMEREMAIN)         CIASCDTMR       300 Sec       (CI ASC TIMEREMAIN)         CI-EI       2 %       (EFFICIENCY INDEX I)         CI-CI       ? F       (CAPACITY INDEX I)         CI-CI       ? F       (CAPACITY INDEX I)         CI-CONDTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE	RAT		73 F		(UCB RAT THERMISTOR INPUT)		
YI-TSTAT       OFF       (24VAC INPUT TO YI TERM)         Y2-TSTAT       OFF       (24VAC INPUT TO Y2 TERM)         Y3-TSTAT       OFF       (24VAC INPUT TO Y3 TERM)         Y4-TSTAT       OFF       (24VAC INPUT TO Y4 TERM)         Y4-TSTAT       OFF       (24VAC INPUT TO Y4 TERM)         Y4-TSTAT       OFF       (24VAC INPUT TO Y4 TERM)         Y4-TSTAT       OFF       (CN-FAN 24 VAC OUTPUT)         CN-FAN       OFF       (CF2 24 VAC OUTPUT)         CF2       OFF       (CF2 24 VAC OUTPUT)         MENU       ✓ Details       SUB MENU         SUB MENU       ✓ Clg       SUB MENU         SUB MENU       ✓ Stage1       C         SUB MENU       ✓ Stage1       C         CI-S       OFF - IDLE       (COMPRESSOR STAGE STATUS)         CI       OFF       (CI 24VACOUTPUTSTATUS)         CIONTMR       180 SEC       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 SEC       (CI ASC TIMERMAIN)         CIASCDTMR       300 SEC       (CI ASC TIMERMAIN)         CI-EI       ? %       (EFFICIENCY INDEX I)         CI-CI       ? F       (CAPACITY INDEX I)         CI-CONDTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)	ECON-FREE		No		(FREE COOLING AVAILABILITY)		
Y2-TSTAT       OFF       (24vac INPUT TO Y2 TERM)         Y3-TSTAT       OFF       (24vac INPUT TO Y3 TERM)         Y4-TSTAT       OFF       (24vac INPUT TO Y4 TERM)         CN-FAN       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CF2 24 VAC OUTPUT)         MENU       ✓ Details         SUB MENU       ✓ Clg         SUB MENU       ✓ VClg         SUB MENU       ✓ VService         SUB MENU       ✓ VStage1         CI-S       OFF         OFF       (CI 24vacOutPutStatus)         CI       OFF         I80 Sec       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 Sec         CI-EI       2 %         CI-CI       2 F         (CAPACITY INDEX I)         CI-CI       2 F         (CAPACITY INDEX I)         CI-CI       2 F         (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CI-EVAPTEMPVALUE       (COOLING CIRCUIT TEST STATUS)	SAT		60.7 F		(UCB SAT THERMISTOR INPUT)		
Y3-TSTAT       OFF       (24VAC INPUT TO Y3 TERM)         Y4-TSTAT       OFF       (24VAC INPUT TO Y4 TERM)         CN-FAN       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CF2 24 VAC OUTPUT)         MENU       ✓ Details         SUB MENU       ✓ Clg         SUB MENU       ✓ VService         SUB MENU       ✓ VStage1         CI-S       OFF       (CI 24VACOUTPUTSTATUS)         CI       OFF       (CI 24VACOUTPUTSTATUS)         CIONTMR       I80 SEC       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 SEC       (CI ASC TIMEREMAIN)         CI-EI       2 %       (EFFICIENCY INDEX I)         CI-CI       2 F       (CAPACITY INDEX I)         CI-CONDTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)	YI-TSTAT		OFF		(24VAC INPUT TO YI TERM)		
Y4-TSTAT       OFF       (24vac INPUT TO Y4 TERM)         CN-FAN       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CF2 24 VAC OUTPUT)         MENU       ✓ Details         SUB MENU       ✓ ✓ Clg         SUB MENU       ✓ ✓ Service         SUB MENU       ✓ ✓ Stage1         CI-S       OFF       (CI 24vacOutPutStatus)         CI       OFF       (CI 24vacOutPutStatus)         CIONTMR       I80 SEC       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 SEC       (CI ASC TIMEREMAIN)         CIASCDTMR       0 HR       (CI OUTPTACCUMRUNTIME)         CI-EI       ? %       (EFFICIENCY INDEX I)         CI-CI       ? F       (CAPACITY INDEX I)         CI-CONDTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)	Y2-TSTAT		OFF		(24vac input to Y2 term)		
CN-FAN       OFF       (CN-FAN 24 VAC OUTPUT)         CF2       OFF       (CF2 24 VAC OUTPUT)         MENU       V Details         SUB MENU       V Clg         SUB MENU       V Service         SUB MENU       V Stage1         CI-S       OFF       (CI 24vacOutputStatus)         CI       OFF       (CI 24vacOutputStatus)         CIONTMR       I80 Sec       (CI MINRUNTIMEREMAIN)         CIASCDTMR       300 Sec       (CI ASC TIMEREMAIN)         CIRUNTIM       O HR       (CI OUTPTACCUMRUNTIME)         CI-EI       2 %       (EFFICIENCY INDEX I)         CI-CONDTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CLGCKTTESTS-I       (COOLING CIRCUIT TEST STATUS)	Y3-TSTAT		OFF		(24vac input to Y3 term)		
CF2       OFF       (CF2 24 VAC OUTPUT)         MENU       VDetails         SUB MENU       VClg         SUB MENU       VService         SUB MENU       VStage1         CI-S       OFF - IDLE         OFF       (CI 24vacOutputStatus)         CI       OFF         CINTMR       I80 SEC         CIASCDTMR       300 SEC         CI-EI       ? %         CI-EI       ? %         CI-CI       ? F         (CAPACITY INDEX I)         CI-CONDTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CLGCKTTESTS-I       (COOLING CIRCUIT TEST STATUS)	Y4-TSTAT		OFF		(24VAC INPUT TO Y4 TERM)		
MENU       ✓ Details         SUB MENU       ✓ ✓ Clg         SUB MENU       ✓ ✓ Service         SUB MENU       ✓ ✓ Stage1 ✓         CI-S       OFF - IDLE       (Compressor Stage Status)         CI       OFF       (CI 24vacOutputStatus)         CIONTMR       I80 Sec       (CI MINRUNTIMEREMAIN)         CIASCDTMR       300 Sec       (CI ASC TIMEREMAIN)         CIRUNTIM       . 0 HR       (CI OUTPTACCUMRUNTIME)         CI-EI       ? %       (EFFICIENCY INDEX I)         CI-CONDTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CLGCKTTESTS-I       (COOLING CIRCUIT TEST STATUS)	CN-FAN		OFF		(CN-FAN 24 VAC OUTPUT)		
SUB MENU       ✓ Clg         SUB MENU       ✓ Service         SUB MENU       ✓ VStage1         CI-S       OFF - IDLE       (COMPRESSOR STAGE STATUS)         CI       OFF       (CI 24vacOutputStatus)         CIONTMR       I80 Sec       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 Sec       (CI ASC TIMEREMAIN)         CIRUNTIM       .0 HR       (CI OUTPTACCUMRUNTIME)         CI-EI       ? %       (EFFICIENCY INDEX I)         CI-CI       ? F       (CAPACITY INDEX I)         CI-CondTempOvrAmb       (Condensing Temp over Ambient I)         CI-EvapTempValue       (Evap Temp Value Circuit I)         ClagCktTestS-I       (Cooling Circuit Test Status)	CF2		OFF		(CF2 24 VAC OUTPUT)		
SUB MENU       ✓ Service         SUB MENU       ✓ Stage1         CI-S       OFF - IDLE       (COMPRESSOR STAGE STATUS)         CI       OFF       (CI 24vacOutputStatus)         CIONTMR       I80 Sec       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 Sec       (CI ASC TIMEREMAIN)         CIRUNTIM       . 0 HR       (CI OUTPTACCUMRUNTIME)         CI-EI       ? %       (EFFICIENCY INDEX I)         CI-CONDTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CLGCKTTESTS-I       (COOLING CIRCUIT TEST STATUS)	MENU	V	Detai	Is			
SUB MENU       ✓ Stage1         CI-S       OFF - IDLE       (COMPRESSOR STAGE STATUS)         CI       OFF       (CI 24VacOUTPUTSTATUS)         CIONTMR       I80 SEC       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 SEC       (CI ASC TIMEREMAIN)         CIRUNTIM       . 0 HR       (CI OUTPTACCUMRUNTIME)         CI-EI       ? %       (EFFICIENCY INDEX I)         CI-CI       ? F       (CAPACITY INDEX I)         CI-EVAPTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CLGCKTTESTS-I       (COOLING CIRCUIT TEST STATUS)	SUB MENU	O	▼Clg				
SUB MENU       ✓ Stage1         CI-S       OFF - IDLE       (COMPRESSOR STAGE STATUS)         CI       OFF       (CI 24VacOUTPUTSTATUS)         CIONTMR       I80 SEC       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 SEC       (CI ASC TIMEREMAIN)         CIRUNTIM       . 0 HR       (CI OUTPTACCUMRUNTIME)         CI-EI       ? %       (EFFICIENCY INDEX I)         CI-CI       ? F       (CAPACITY INDEX I)         CI-EVAPTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CLGCKTTESTS-I       (COOLING CIRCUIT TEST STATUS)	SUB MENU	0	▼Service				
CI-S       OFF - IDLE       (COMPRESSOR STAGE STATUS)         CI       OFF       (CI 24vacOutputStatus)         CIONTMR       I80 SEC       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 SEC       (CI ASC TIMEREMAIN)         CIRUNTIM       . 0 HR       (CI OUTPTACCUMRUNTIME)         CI-EI       ? %       (EFFICIENCY INDEX I)         CI-CONDTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CLGCKTTESTS-I       (COOLING CIRCUIT TEST STATUS)	SUB MENU	-					
CI       OFF       (CI 24vacOutputStatus)         CIONTMR       I80 Sec       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 Sec       (CI ASC TIMEREMAIN)         CIRUNTIM       . 0 HR       (CI OUTPTACCUMRUNTIME)         CI-EI       ? %       (EFFICIENCY INDEX I)         CI-CI       ? F       (CAPACITY INDEX I)         CI-CondTempOvrAmb       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CLGCKTTESTS-I       (COOLING CIRCUIT TEST STATUS)	- C. U.S.						
CIONTMR       I80 SEC       (CIMINRUNTIMEREMAIN)         CIASCDTMR       300 SEC       (CI ASC TIMEREMAIN)         CIRUNTIM       . 0 HR       (CI OUTPTACCUMRUNTIME)         CI-EI       ? %       (EFFICIENCY INDEX I)         CI-CI       ? F       (CAPACITY INDEX I)         CI-CONDTEMPOVRAMB       (CONDENSING TEMP OVER AMBIENT I)         CI-EVAPTEMPVALUE       (EVAP TEMP VALUE CIRCUIT I)         CLGCKTTESTS-I       (COOLING CIRCUIT TEST STATUS)				1			
CIASCDTMR     300 Sec     (CI ASC TIMEREMAIN)       CIRUNTIM     . 0 HR     (CI OUTPTACCUMRUNTIME)       CI-EI     ? %     (EFFICIENCY INDEX I)       CI-CI     ? F     (CAPACITY INDEX I)       CI-CondTempOvrAmb     (Condensing Temp over Ambient I)       CI-EvapTempValue     (Evap Temp Value Circuit I)       ClgCktTestS-I     (Cooling Circuit Test Status)	CIONTMR	180	SEC				
CIRUNTIM     . 0 HR     (CI OUTPTACCUMRUNTIME)       CI-EI     ? %     (EFFICIENCY INDEX I)       CI-CI     ? F     (CAPACITY INDEX I)       CI-CONDTEMPOVRAMB     (CONDENSING TEMP OVER AMBIENT I)       CI-EVAPTEMPVALUE     (EVAP TEMP VALUE CIRCUIT I)       CLGCKTTESTS-I     (COOLING CIRCUIT TEST STATUS)		1000					
CI-EI     ? %     (EFFICIENCY INDEX I)       CI-CI     ? F     (CAPACITY INDEX I)       CI-CONDTEMPOVRAMB     (CONDENSING TEMP OVER AMBIENT I)       CI-EVAPTEMPVALUE     (EVAP TEMP VALUE CIRCUIT I)       CLGCKTTESTS-I     (COOLING CIRCUIT TEST STATUS)	202. A. 6						
CI-CI ? F (CAPACITY INDEX I) CI-CONDTEMPOVRAMB (CONDENSING TEMP OVER AMBIENT I) CI-EVAPTEMPVALUE (EVAP TEMP VALUE CIRCUIT I) CLGCKTTESTS-I (COOLING CIRCUIT TEST STATUS)							
CI-CONDTEMPOVRAMB (CONDENSING TEMP OVER AMBIENT I) CI-EVAPTEMPVALUE (EVAP TEMP VALUE CIRCUIT I) CLGCKTTESTS-I (COOLING CIRCUIT TEST STATUS)							
CI-EVAPTEMPVALUE (EVAP TEMP VALUE CIRCUIT I) CLGCKTTESTS-I (COOLING CIRCUIT TEST STATUS)	and the second se	3					
CLGCKTTESTS-I (COOLING CIRCUIT TEST STATUS)	CI-EVAPTEMPVAL						
(SUPERHEAT)	CI-SUPERHEAT			1.0	SUPERHEAT)		
CI-SUBCOOL (SUBCOOLING)	CI-SUBCOOL			(5	SUBCOOLING)		

MENU	▼Details						
SUB MENU	∽▼Clg						
SUB MENU	∽▼Service						
SUB MENU	অ▼Stage 2জ						
C2-S		Ge 2 (COMPRESSOR STAGE STATUS)					
C2	OFF	(C2 24vac output status)					
C2ONTMR	180 SEC	(C2 MINRUNTIMEREMAIN)					
C2ASCDTMR	300 SEC	(C2ASC TIMEREMAIN)					
C2RUNTIM	.0 HR	(C2OUTPTACCUMRUNTIME)					
C2-EI	? %	(EFFICIENCY INDEX 2)					
C2-CI	? F	(CAPACITY INDEX 2)					
C2-CONDTEMP	OVRAMB	(CONDENSING TEMP OVER AMBIENT 2)					
C2-EVAPTEMPV	ALUE	(EVAP TEMP VALUE CIRCUIT 2)					
CLGCKTTESTS-	2	(Cooling Circuit Test Status)					
C2-SUPERHEAT	r)	(SUPERHEAT)					
C2-SUBCOOL		(SUBCOOLING)					
MENU	▼Deta						
SUB MENU	∽▼Clg						
SUB MENU	∽▼Se	rvice					
SUB MENU	∽▼Sta	∽▼Stage 3∽					
C3-S	OFF - IDLE	(COMPRESSOR STAGE STATUS)					
C3	OFF	(C3 24vacOutPutStatus)					
C3ONTMR	180 SEC	(C3MINRUNTIMEREMAIN)					
C3ASCDTMR	300 SEC	(C3 ASC TIMEREMAIN)					
C3RUNTIM	.0 HR	(C3 OUTPTACCUMRUNTIME)					
C3-EI	? %	(EFFICIENCY INDEX 3)					
C3-CI	? F	(CAPACITY INDEX 3)					
C3-CONDTEMP	OVRAMB	(Condensing Temp over Ambient 3)					
C3-EVAPTEMP	ALUE	(EVAP TEMP VALUE CIRCUIT 3)					
CLGCKTTESTS-	3	(Cooling Circuit Test Status)					
C3-SUPERHEAT	T	(SUPERHEAT)					
C3-SUBCOOL		(SUBCOOLING)					
MENU	▼Deta						
SUB MENU	∽▼Clo						
SUB MENU	∽▼Se	rvice					
SUB MENU							
C4-S	OFF - IDLE	(COMPRESSOR STAGE STATUS)					
C4	OFF	(CL 2LVACOUTPUTSTATUS)					
C4ONTMR	180 SEC	(C4MINRUNTIMEREMAIN)					
C4ASCDTMR	300 SEC	(C4 ASC TIMEREMAIN)					
C4RUNTIM	.0 HR	(C4 OUTPTACCUMRUNTIME)					

MENU	▼Details					
SUB MENU	∽▼Clg					
SUB MENU	∽▼Service					
SUB MENU	অ▼Stage 4জ					
	? %	(EFFICIENCY INDEX 4)				
C4-CI	? F	(CAPACITY INDEX 4)				
C4-CONDTEMPO	VRAMB	(CONDENSING TEMP OVER AMBIENT 4)				
C4-EVAPTEMPVA	LUE	(EVAP TEMP VALUE CIRCUIT 4)				
CLGCKTTESTS-4		(COOLING CIRCUIT TEST STATUS)				
C4-SUPERHEAT		(Superheat)				
C4-SUBCOOL		(Subcooling)				
MENU	▼Deta	ails				
SUB MENU	<b>∽</b> ▼Cl	g				
SUB MENU	∽▼Se	ensors				
ECI	42 F	(ECI THERMISTOR INPUT)				
CCI	96 F	(CCI THERMISTOR INPUT)				
SLP-I		(SUCTION PRESSURE I)				
LLP-I		(LIQUID PRESSURE I)				
SLT-I		(SUCTION TEMPERATURE I)				
LLT-I		(LIQUID TEMPERATURE I)				
EC2	42 F	(EC2 THERMISTOR INPUT)				
CC2	96 F	(CC2 THERMISTOR INPUT)				
SLP-2		(SUCTION PRESSURE 2)				
LLP-2		(LIQUID PRESSURE 2)				
SLT-2		(SUCTION TEMPERATURE 2)				
LLT-2		(LIQUID TEMPERATURE 2)				
EC3	42 F	(EC3 THERMISTOR INPUT)				
CC3	96 F	(CC3 THERMISTOR INPUT)				
SLP-3		(Suction Pressure 3)				
LLP-3		(LIQUID PRESSURE 3)				
SLT-3	-	(SUCTION TEMPERATURE 3)				
LLT-3		(LIQUID TEMPERATURE 3)				
EC4	42 F	(EC4 THERMISTOR INPUT)				
CC4	96 F	(CC4 THERMISTOR INPUT)				
SLP-4		(SUCTION PRESSURE 4)				
LLP-4		(LIQUID PRESSURE 4)				
SLT-4		(SUCTION TEMPERATURE 4)				
LLT-4		(LIQUID TEMPERATURE 4)				
Legend	-					
DEFAULT SET	TINGS IN REL	BLUE = UCB CONDITIONAL PARAMETER				
TAN = ECONOMIZ PRESENCE	ER BOARD	DKGREEN = ECONOMIZER BOARD PRESENCE + ANOTHER CONDITION				

MENU	▼Deta	ails	MENU	▼Details	S		
SUB MENU	J T CI	q	SUB MENU	∽▼Clg			
SUB MENU	∽▼Sa	ofeties 7	SUB MENU		▼Misc∽		
HPSI	NORMAL	(HPSI 24vac input status)	COMMON-SP	DEG F	(COMMON SETPOINT)		
HPSI-LO	NORMAL	(HIPRESSI SWITCH STATUS)	AUTO CHANGE-				
LPSI	NORMAL	(LPSI 24VAC INPUT STATUS)	OVER	DEG F	(Auto Changeover)		
LPSI-LO	NORMAL	(LoPressI switch status)	TEMPHUMVALP-	5%H	(TEMPERATURE / HUMIDITY		
FSI	NORMAL	(FREEZE PROTECTI STATUS)	ERDEGOFF	<b>V</b> De	VALUE PER DEGREE OFFSET)		
FSI-LO	NORMAL	(FREEZE PROTECTI STATUS)	MENU	VDe			
HPS2	NORMAL	(HPS2 24vac input status)	SUB MENU	∽▼H	<u> </u>		
HPS2-LO	NORMAL	(HIPRESS2 SWITCH STATUS)	SUB MENU	∽ <b>∨</b> S	etupଙ		
LPS2	NORMAL	(LPS2 24vac input status)	HTG-EN	YES	(HEATING OPER ENABLED)		
LPS2-LO	NORMAL	(LoPress2 switch status)	#HTGSTGS	1	(# of Heating Stages)		
FS2	NORMAL	(FREEZE PROTECT2 STATUS)	HTG-TYPE	STAGED	(HEATINGCONTROLMETHOD)		
FS2-LO	NORMAL	(FREEZE PROTECT2 STATUS)	CVHTGOCC-SP	68 F	(CV - OCC HEATING SET-		
HPS3	NORMAL	(HPS3 24vac input status)			POINT)		
HPS3-LO	NORMAL	(HIPRESS3 SWITCH STATUS)	CVHTGUNOCC-SP	60 F	(CV - UNOCC HEATING SETPOINT)		
LPS3	NORMAL	(LPS3 34vac input status)			(VAV OCCUPIED HEATING		
LPS3-LO	NORMAL	(LOPRESS3 SWITCH STATUS)	VAVHTGOCC-SP	DEG F	SETPOINT)		
FS3	NORMAL	(FREEZE PROTECT3 STATUS)	VAVHTGUNOCC-SP	DEG F	(VAV UNOCCUPIED HEATING		
FS3-LO	NORMAL	(FREEZE PROTECT3 STATUS)			SETPOINT)		
HPS4	NORMAL	(HPS4 44vac input status)	SZVAVHTGOCC-SP	DEG F	(SZ VAV OCCUPIED HEATING SETPOINT)		
HPS4-LO	NORMAL	(HIPRESS4 SWITCH STATUS)			(SZ VAV UNOCCUPIED HEAT-		
LPS4	NORMAL	(LPS4 44vac input status)	SZVAVHTGUNOCC-	SP DEG F	ING SETPOINT)		
LPS4-LO	NORMAL	(LOPRESS4 SWITCH STATUS)	COMMON-SP	DEG F	(COMMON SETPOINT)		
FS4	NORMAL	(FREEZE PROTECT4 STATUS)	AUTO CHANGEOVER	DEG F	(Auto Changeover)		
FS4-LO	NORMAL	(FREEZE PROTECT4 STATUS)	HEAT COOL SETPO	ING HEAT	(HEATING AUTO TUNE ENABLE		
MENU	▼Deta	ils	MODE				
SUB MENU	₩VClo		HTGADAPTUNEN	YES	(HEATING AUTO TUNE ENABLE		
SUB MENU	∽▼Mis	SC <sup>C</sup>	SATHTGLIMIT-EN	YES	(SA HTGLIMITENABLED)		
MAXTEMPHUMS-		(MAXIMUM TEMPERATURE /	SATHTGLIMIT-SP	135 F	(SA HTGLIMITSETPT)		
POFF	3.0 F	HUMIDITY SETPOINT OFFSET)	HTGOATCUTOUT-	SP 75 F	(OUTDOOR AIR TEMP HEAT- ING CUTOUT SETPOINT)		
TEMPHUM-SP	50%H	(*EFFECTSOPRCLG-SP)	#GASVLVS	0	(#HTPMPSTGS = 0)		
TEMPHUMC- TRL-EN	No	(CNTRLOPERENABLE)	#LIMSWTCHS	1	(#HTPMPSTGS = 0)		
OPRSH	49.6 %H	(SPACE HUMIDITY IN USE)	LL_ENABLE	DISABLE	(LOW LIMIT ENABLE)		
CLGOCC-SP	72 F	(CV - OCC COOLING SETPOINT)	LL_UPSAT_SP	80 F	(LOW LIMIT UPPER SAT		
OPRCVCLG-SP	72 F	(CV - OPERATING COOL SET- POINT)	LL_LOWSAT_SP	80 F	SETPOINT) (LOW LIMIT LOWER SAT		
SZVAVCLGO-	DEG F	(SZ VAV OCCUPIED COOLING			SETPOINT)		
CC-SP	DEGF	SETPOINT)	HTGMANUALTUNE		(HEATING MANUAL TUNING) (COOLING ALLOWED DURING		
OPRSZVAV- CLG-SP	DEG F	(SZ VAV OPERATING COOLING SETPOINT)	COOLDURINGHEATL		HEAT LIMIT)		

▼Details					
070		(CV - OPERATING HEAT SET-			
68 F		POINT)			
DEG F		(SZ VAV OPERATING HEATING SETPOINT)			
DEG F		(VAV OPERATING HEATING SETPOINT)			
OFF-IDLE		(HEATING STATUS)			
73.0 F		(Operational Outdoor Air Temperature)			
73.0 F		(SPACE TEMPERATURE IN USE)			
70.4 F		(UCB RAT THERMISTORINPUT)			
OFF		(24vac input to WI term)			
OFF		(24vac input to W2 term)			
OFF		(24VAC INPUT TO W3 TERM)			
OFF		(24vac input to G term)			
OFF-IDLE		(HEATING STAGE STATUS)			
OFF		(IST STG HEAT OUTPUT STATUS)			
0 SEC		(REMAINMINRUNTIME)			
0 SEC		(REMAIN ASCD TIME)			
0 HR		(ACCUM HI RUNTIME)			
OFF		(2ND STG HEATINGOUTPUTSA- TUS)			
OFF-IDLE		(HEATING STAGE STATUS)			
0 SEC		(Remain Min RunTime)			
0 SEC		(REMAIN ASCDTIME)			
.0 HR		(ACCUM H2 RUNTIME)			
OFF		(3rd Stg HeatingOutputSa- tus)			
OFF-IDLE		(Heating Stage Status)			
0 SEC		(Remain Min RunTime)			
0 SEC		(REMAIN ASCDTIME)			
.0 HR		(Accum H3 RunTime)			
▼Detai	Is				
∽▼Htg					
∽ <b>V</b> Safeties∽					
NORMAL	(LI	MIT 24VAC INPUT STATUS)			
NORMAL	(He	EAT LIMIT STATUS)			
NORMAL (LIMIT 24VAC INPUT STATUS)					
	-				
	○       ▼ Htg         0%         0%         68 F         DEG F         DEG F         0FF-IDLE         73.0 F         70.4 F         0FF         0FF </td <td>68 F       DEG F       DEG F       OFF-IDLE       73.0 F       73.0 F       73.0 F       73.0 F       73.0 F       0FF       OFF       OFF       OFF       0FF       0 SEC       0 HR       0 SEC       0 HR       0 SEC       0 SEC       0 HR       VDETAILE       NORMAL       NORMAL</td>	68 F       DEG F       DEG F       OFF-IDLE       73.0 F       73.0 F       73.0 F       73.0 F       73.0 F       0FF       OFF       OFF       OFF       0FF       0 SEC       0 HR       0 SEC       0 HR       0 SEC       0 SEC       0 HR       VDETAILE       NORMAL       NORMAL			

MENU	▼Details						
SUB MENU	∽▼Htg						
SUB MENU	Safeties						
LIM3				-	24vac input status)		
LIMJLO	NORMAL		(HE	AT	LIMIT STATUS)		
MV	OFF		(GAS	s	VALVEI INPUT)		
GV2	OFF		(GV	2	PIN 24VAC INPUT STATUS)		
GV3	OFF		(GV	3,4	4 PIN 24VAC INPUT STATUS)		
MENU		V	De	t	ails		
SUB MENU		0	VH	łt	g		
SUB MENU		0	VP	r	ор		
SUB MENU		-			Jp 🕫		
HYDHISA-SP		120	F	(ŀ	YD HI SAT SETPT)		
HYDH2SA-SP		150	F	( -	YD H2 SAT SETPT)		
SATTEMPHYDHT	-EN	No		N	O(HYDHTGSA TEMPER)		
SATTEMPHYDHT	-SP	40		(⊦	YD HEAT TEMP SP)		
HydReverse		No		()	100HT 2-10VDCACTION)		
MENU	VDe	eta	ils				
SUB MENU	∽▼Htg						
SUB MENU	∽▼Prop						
SUB MENU	∽▼Servi			ce	¢		
CVHTGOCC-SP	68 F			(C	V Occ Heating set point)		
CVHTGUN- OCC-SP	60 F				V UNOCC COOLING SET DINT)		
CVOPRHTG-SP	68 F			(CV HEATING SET PT IN USE)			
VAVO- PRHTG-SP	68F			(VAV OPERATING HEAT SET- POINT)			
OPRSZ- VAVHTG-SP	DEG F			(SZ VAV OPERATING HEATING SETPOINT)			
OPR ST	73.0 F			(SPACE TEMPERATURE IN USE)			
SAT	(60.7 F)	)		(S A TEMP THERMISTER INPUT)			
WI-TSTAT	OFF			(24vac input to WI term)			
W2-TSTAT	OFF			(24vac input to W2 term)			
HWV	0%			(HWV VDC OUTPUT)			
HYDREVERSE	No			(MODHT 2-10VDCACTION)			
FSHW	NORMAL			(	)		
MENU	V	Det	ail	S			
SUB MENU	9	7Fa	an				
SUB MENU	Setup			0			
FANCTL-TYPE	SING	LE S	PEED		(ID BLWR/UNIT OP MODE)		
FANON OCC YES					(CV Constant Fan in Occupied Mode)		

Menu	▼Details				
SUB MENU	✓ Fan				
SUB MENU	ଙ Setupଙ				
FANONDLYHEAT	30sec	(HEATFANONDELAY)			
FANOFFDLYHEAT	60sec	(HEATFANOFFDELAY)			
FANOFFSTARTHE- AT	YES	(FANOFF ATHEATSTART)			
FANONDLYCOOL	OSEC	(COOLFANONDELAY)			
FANOFFDLYCOOL	30sec	(COOLFANOFFDELAY)			
FAN ONLY-% CMD	50%	(CV IS FAN ONLY)			
ICLGSTG-% CMD	70%	(CV IS I STG COOL)			
2CLGSTG-% CMD	80%	(CV IS 2 STG COOL)			
3ClgStg-% Cmdt	90%	(CV IS 3 STG COOL)			
4CLGSTG-% CMD	100%	(CV IS 4 STG COOL)			
IHTGSTG-%CMD	100%	(OCCUPIED: ONE STAGE OF HEAT % COMMAND)			
2HTGSTG-%CMD	100%	(Occupied: Two Stage of Heat % Command)			
ЗНтсSтс-%Смр	100%	(Occupied: Three Stage of Heat % Command)			
MENU	▼ Details				
SUB MENU	∽Fan				
SUB MENU	∽▼Serv	ice🖙			
DEHUM%CMD	%	(DEHUMIDIFICATION % COMMAND)			
LOWAMBFANPRE- RUNCOOL	SECONDS	(LOW AMBIENT FAN PRE- RUN TIME FOR COOLING)			
LOWAMBFANPRE- RUNCOOL	60 SEC				
APSSETUP	NONE	(AIR PROVING SWITCH OPERATION)			
DFS	NORMAL	(DFS 24vac input status)			
G-TSTAT	OFF	(24vac input to G term)			
FAN-S	OFF-IDLE	(FAN STATUS)			
Fan	OFF	(FAN 24vac output status)			
FAN-RT	.0 HR	(Accumulated Fan run- time)			
OPRFANREQ	OFF	(OPERATING FAN RE- QUEST)			
FANREQSRC	LOCAL INPUT	(FAN REQUEST SOURCE)			
APS	OFF	(APS INPUT STATUS)			
FANOVERLOAD	NORMAL	(FANOVRINPTSTATUS)			

MENU		▼Details				
SUB MENU			∽▼Econ			
SUB MENU			ଙSetupଙ			
ECON-EN		YES		(ECONOFREECOOLINGEN- ABLE)		
Econ-MINPos		10%	6	(ECONOMIZER MINIMUM POSITION SETPOINT)		
LOWSPEEDFAN-M	INPos	259	6	(OccloFanPos)		
LOWAMB-MINPOS	-	0%	v	(OccLoAmbMinPos)		
LOWAMB-SP		0 F		(LOAMBMINPOSSSETPT)		
FREECLG-SEL		Aut	0	(FRECLGCHNGOVRMETHOD)		
FREECLG-MODE		DRY	BULB	(CHNGOVERMODE)		
ALLCOMPOFF-E	CON	No		(ALL COMPRESSORS OFF IN FREE COOLING)		
ECONOAT-SPEN		55	F	(DRYBLBCHGOVRSETPT)		
ECONOAENTH-SP	6	27	B/#	(ENTHCNGOVRSETPT)		
DVENT-MODE		Dis	ABLED	(DMAND VENT MODE SELECT)		
DVENTMAXECONF	Pos	509	6	(MAX ECON POSITION)		
DVENTIAQ-SP		1000	OPPM	(DEMAND VENT IAQ SETPT)		
DVENTDIFF-SP	DVENTDIFF-SP		PPM	(IAQ-OAQ DIFFERENCE- SETPT)		
IAQRANGE		2000PPM		(ID SETPT W/Co2 SENSOR INST)		
OAQRANGE		2000PPM		(OD SETPT W/Co2 SENSOR INST)		
ECONLOAD-EN		No		(ECONLOADINGENABLED)		
MOAFLOW-SP		IOCFM		(Fresh Air Intake Set- point)		
MOA-RANGE		10000CFM		(FRESH AIR INTAKE MAX SENSOR RANGE)		
ECONMECHSTP		OPTION B		(ECON MECH SETUP)		
ECONFLTDETEC	rEN	Dis.	ABLE	(ECON FAULT DETECTION EN)		
CALFAULTDETE	CTEN	Dis	ABLE	(CALIBRATION FAULT DETECT ENABLE)		
MENU	VD	eta	ails			
SUB MENU	OF V	Ec	on			
SUB MENU	0	Se	rvice	907		
CLG-S	OFF-I	DLE	(COOLI	NG STATUS)		
ECON-S	DISABLED					
ECON-FREE	No		(FREEC	OOLING AVAILABLE)		
ECON	0%		and a second	2-IOVDC OUTPUT STATUS)		
SAT	60.7 F		1 Acres 1	SAT THERMISTORINPUT)		
OPROAT	73.0 F			TIONAL OUTDOOR AIR TEM-		
OA-ENTH	20 B/	#	(CALCO	A ENTHALPYINPUT)		

MENU	▼Details					
SUB MENU	✓ Econ					
SUB MENU	-	-				
RA-ENTH	Servi     20B/# (RA			A ENTHALPY INPUT)		
OPRIAQ	477			DOOR AIR QUALITY INPUT)		
OPROAQ	1000	PPM		JTDOORAIRQUALITY IN USE)		
FR AIR	-	OCFM		ESH AIR INTAKE ENABLE)		
ECONDAMPPOS	38	Verti		-IN 0-IOVDC INPUT)		
ECONALRMDLY		)SEC		DD ECON ALARM DELAY)		
ECONPOSERR	89		(FD	DD ECON DAMPER ALLOW		
ECONMINERR	5%			D DAMPER MIN POS TOLERANCE)		
MENU		VD				
SUB MENU				/ent∽		
ECON-EN		Yes		(ECONOFREECOOLINGENABLE)		
DVENT-MODE		DISABL	ED	(DEMANDVENTIMODE)		
DVENTMAXECONP	os	50%		(IAQ ECON-MAXPOS)		
DVENTIAQ-SP		1000PF	M	(OccIAQEconOperSetPt)		
DVENTDIFF-SP		600PPM		(OCC DIFF IAQ/OAQ SETPT)		
IAQRANGE		2000PPM		(PPM@IOVDCIAQ OUTPUT)		
OAQRANGE		2000PPM		(PPM@I0vdcOAQ OUTPUT)		
OPRIAQ		477ррм		(IAQ 0-IOVDCINPUT IN USE)		
OPROAQ		990PPM		(OUTDOORAIRQUALITY IN USE)		
ECONDAMPPOS		38		(AI-IN 0-IOVDC INPUT)		
MENU		Det	ail	S		
SUB MENU	0	VA	irM	IonStation @		
ECON-EN	YE	s		(ECONOFREECOOLINGENABLE)		
FRAIR-EN	Di	SABLE		(FRESH AIR INTAKE ENABLE)		
MOAFLOW-SP	100	CFM		(FRESH AIR INTAKE SETPOINT)		
MOA-RANGE	100	DOOCFM	i.	(Fresh Air Intake Max Sensor Range)		
FR AIR	79	53CFM		(FRESH AIR INTAKE ENABLE)		
ECONDAMPPOS	38			(AI-IN 0-10vdc Input)		
CONTROL	40	CFM		(FRESH AIR RANGE)		
MENU		VD	et	ails		
SUB MENU		∽▼Po		owerEx		
SUB MENU		Setu		up∽		
EXFTYPE		NONE		PWREXFANMODESELECTION)		
ECONDMPPOSFANON		60%	()	(FANONPOSITION)		
ECONDMPPOSFAN	OFF	20%	()	(FANOFFPOSITION)		
EXDMPPOSFANON		80%	()	(FANONPOSITION)		
EXDMPPOSFANOF	F	20%	(F	(FANOFFPOSITION)		

MENU		VD	et	ails		
SUB MENU		∽▼PowerEx				
SUB MENU		ଙSetupଙ		ายจา		
BLDG-SP		100"/w (EXDMPRBLDGPRESSETPT)				
DCTPRS		1	([	DUCT STATIC PRESSURE)		
MENU		VDe	eta	nils		
SUB MENU			✓ PowerEx			
SUB MENU		-	-	rvice		
ExF-S		OFF				
EXFAN		OFF		(EX-FAN 24vacOutputStatus)		
BLDGPRES		.164"/w		(BLDGPRES 0-5VDC INPUT)		
EAD-0		0%		(EXVFD2-10vdcOutptStatus)		
EXFANVFD		0%		(EX VFD2-10vdc Output)		
EXFAN-RUNTIME		.0 HR		(24vacOutputAccRunTime)		
EXFANVFDFLT		NORMAL		(VFD FLT24vacInput)		
MENU		Det	ail	S		
SUB MENU	0	▼Fa	n\	/FD		
SUB MENU	0	Set	up~			
FANCTL-TYPE	SI		(UNITOPMODE)			
DCTPRS-SP		50"/w (		(VAV SUPPLYDUCTPRESS SETPOINT)		
DCTSHUTDOWNSP	4.	5"/w	(DUCTPRESSLIMIT)			
SATUP-SP	60	) Fc	(VAV OCC UPPRCOOLING SAT SETPT)			
SATLO-SP	55	E No		AV OCC LOWR COOLING SAT TPT)		
SATRST-SP	72	F	(VAV OCC COOL SAT RESET SETPT)			
VAVCLGUNOCC-SP	85	F	(FANCTL-TYPE = VARIABLE SPE			
MORNW-EN	No	<b>.</b>	(V	AVMORNWRMUPENABLE)		
MORNWRAT-SP	71	F ()		10RNWRMUPRA SETPT)		
HTGOCC-EN	YE	S	(V/	AV OCC HEATING ENABLED)		
VAVHTGOCC-SP	85	F	(VAV OCC HEATING SETPOINT)			
HTGUNOCC-EN	No	)	(V/	AV UNOCC HEATING ENABLED)		
VAVHTGUNOCC-SP 60 F		) F	(VAV UNOCC HTG SETPOINT)			
MORNC-EN	No		(Mo	orning Cooldown Enabled)		
MORNCRAT-SP 74		F	(MORNING COOLDOWN SP)			
OPTSTRT-EN	No		(0	PTIMAL START ENABLED)		
EARLYSTRTPE-	60	OMIN	(EARLY START PERIOD)			
DAP-MIN	IN	wc	100	scharge Air Static Pressure nimum)		

MENU	▼Details					
SUB MENU	07	Fa	anVI	Ð		
SUB MENU	Setup			*		
DAP-ALMDLY	SECONDS			HARGE AIR STATIC PRES- Alarm Delay)		
HTGOCC-EN	YES		(VAV	OCC HEATING ENABLED)		
MENU			▼Details			
SUB MENU		∽▼FanVFD				
SUB MENU		∽▼Service∽				
FANVFD		09	6	(VFD 2-10 VDC OUTPUT)		
DCTPRS		1.5	0"/w	(DCT PRS 0-5vdcInput)		
DCTPRS-SP		1.5	5"/w	(DUCTPRESSLIMIT)		
OPRVAVCLG-SP	OPRVAVCLG-SP		G F	(VAV OPERATING COOLING SUPPLY AIR TEMP SETPOINT)		
OPRSZVAVHTG-SP		DEG F		(SZ VAV OPERATING COOL- ING SETPOINT)		
OPRVAVCLG-SP			F	(VAV COOLING SAT SETPT IN USE)		
SAT		60.7 F		(UCB SAT THERMISTORIN- PUT)		
STGCLGCMD	_	0%		(STAGED COOLING COMMAND)		
CLG-S		YES		(Cooling Status)		
ECON-FREE		No		(FREE COOLING AVAILABIL- ITY)		
CI		OFF		(UCB CI 24 VAC OUTPUT STATUS)		
C2		OFF		(DEMAND VENT SET POINT)		
C3		OFF		(4stg C3 24 VAC output status)		
C4		Off		(4stg C4 24 VAC output status)		
VAVOPRHTG-SP	AVOPRHTG-SP		F	(VAV HEATING SETPT IN USE)		
STGHTGCMD		0%		(STAGED HEATING COM- MAND)		
OPRST		73.0 F		(Space Temperature in use)		
HTG-S		OFF-		(Heating Status)		
н		OFF		(CV IS I STG HEAT)		
H2		OFF		(CV IS 2 STG HEAT)		
Н3		OF	F	(CV IS 3 STG HEAT)		
VAV Box		OF	F	(VAV Box)		

MENU	<b>▼</b> Det	ails
SUB MENU	<b>∽</b> ▼S	ZVAV
SUB MENU	∽Set	up~
SZVAVEN	No	(SINGLE ZONE VAV ENABLED)
SZVAVMINFANSPI	D 66%	(MINIMUM FAN SPEED)
SZVAVCLGOCC-SP	72 F	(SZ VAV OCC CLG SP)
SZVAVCLGUNOCC-SP	85 F	(SZ VAV UNOCC CLG SP)
VAVHTGOCC-SP	68 F	(VAV - OCC HEATING SETPOINT)
VAVHTGUNOCC-SP	60 F	(VAV UNOCC HEATING SETPT)
DATMAXHTGSP	105F	(DAT HEATING MAX SP)
DATSATSP	70F	(DAT SATISFIED SP)
SATUP-SP	54F	(VAV COOLING SUPPLY AIR TEMP UPPER SETPOINT
SATLO-SP	54F	(VAV Cooling Supply Air Temp Lower Setpoint)
MENU	▼Deta	ils
SUB MENU	∽▼SZ	VAV
SUB MENU	∽▼Se	rvice
OPRSZVAV- CLG-SP	72 F	(SZ VAV OPERATING CLG SP)
OPRSZ- VAVHTG-SP	60 F	(SZ VAV OPERATING HEATING SETPOINT)
SZVAVCLGLD	0%	(SZ VAV COOLING LOAD)
SZVAVHTGLD		(SZ VAV HEATING LOAD)
OPRST	73.0 F	(SPACE TEMPERATURE IN USE)
SAT	60.7 F	(SAT THERMISTOR INPUT)
FANVED	0%	(VFD 2-10vdc output status)
ECON	0%	(ECON 2-10 VDC OUTPUT STATUS)
CI	OFF	(IST COOL 24 VAC OUTPUT)
C2	OFF	(2ND+ COOL 24 VAC OUTPUT)
C3	OFF	(3RD+ COOL 24 VAC OUTPUT)
C4	OFF	(4TH+ COOL 24 VAC OUTPUT)
MENU	<b>▼</b> Deta	ils
SUB MENU	∽▼HG	R
MENU	∽Setu	<b>0</b> 7
HGR-EN	No	(HOT GAS REHEAT ENABLED)
SATISFIEDDE- HUM	FALSE	(Dehumidify In Satisfied)
HGRALT-EN	No	(HGR ALTERNATE ENABLED)
HGRALTWRITE	No	(HGR ALTERNATE WRITEABLE)
HGRHum-SP	60DEGF	(HOT GAS REHEAT HUMIDIDTY SETPOINT)
HGRUNOCC-EN	YES	(HGR UNOCC ENABLED)

MENU	▼Deta	ails
SUB MENU	∽VH(	
MENU	Seti	
HGRUNOC-		
CHUM-SP	70DEGF	(HGR UNOCC HUM SP)
HGR-DIFF	3%	(HGR HUMIDITY SETPOINT DIFFERENTIAL)
MODE		(Aux Mode)
USE DFS FOR DEHUM	YES	(USE DFS FOR DEHUM)
SATUP-SP	DEG F	(VAV COOLING SUPPLY AIR TEMP UPPER SETPOINT)
SATLO-SP	DEG F	(VAV COOLING SUPPLY AIR TEMP LOWER SETPOINT)
SATRST-SP	DEG F	(VAV SUPPLY AIR TEMP RESET SETPOINT)
DEHUMEVAP- LowSp	DEG F	(DEHUM EVAP LOW SETPOINT)
CLGOCC-SP	DEG F	(OCCUPIED COOLING SETPOINT)
<b>DEHUM%CMD</b>	%	(DEHUMIDIFICATION % COMMAND)
PROPORTION- AL MIN OUT VALUE	%	(PROPORTIONAL MIN OUT VALUE)
PROPORTIONAL MAX OUT VALUE	%	(PROPORTIONAL MAX OUT VALUE)
CONDFAN20AT- CUTOUTSP	DEG F	(CONDENSER FAN 2 OAT CUTOUT SETPOINT)
ModHGR- FullOpenAL- LOWED	YES	(Modulating HGR Valve Full Open Allowed)
MENU	▼De	etails
SUB MENU	\$V	HGR∽
MENU	<b>∽</b> ▼	Service
STGCLGCMD	0%	(Staged Cooling Command)
OPRCVCLG-SP	72 F	(CV COOLING SET PT IN USE)
OPRST	73.0 F	(Space Temperature in use)
OPREVAPTEMPSP	DEG F	(OPERATIONAL EVAP TEMPERA- TURE SP)
EVAPORATOR COIL TEMP		(EVAPORATOR COIL TEMP)
HGRHUM-SP 60F		(HOT GAS REHEAT HUMIDIDTY SETPOINT)
OPRSH	49.6 %H	(Space Humidity in use)
HGR-S	OFF-DIS ABLED	S- (HGR STATUS)

Menu		▼Details		
SUB MENU		৵▼HGR∽		
MENU		∽▼Service∽		
HGR C		OFF	(Hot Gas Reheat)	
OPRHGRTEMPSP		Deg F	(OPERATIONAL HGR TEMPERA- TURE SP)	
SAT		DEG F	(Supply Air Temperature)	
HGR		%	(HOT GAS REHEAT)	
HOT GAS REHEAT BLEED VALVE COMMAND			(HOT GAS REHEAT BLEED VALVE COMMAND)	
CI		OFF	(CI 24vacOutputStatus)	
C2		OFF	(UCB CI 24 VAC OUTPUT STATUS)	
C3		OFF	(C3 24vacOutputStatus)	
C4	OFF		(4stg C4 24 VAC output status)	
RAH	(49.6 %H)		(R A HUMIDITY 0-10 VDC INPUT)	
MENU	▼ Detail		S	
SUB MENU	5	▼Hea	t Pmp∽	
#HTPUMPSTGS	0		(# OF HEAT PUMPS)	
TESTDEFROST- ENABLE	No		(TEST DEFROST ENABLE)	
COMPDELAY- ENABLE	No		(COMPRESSOR DELAY ENABLE)	
DEFROSTCUR- VESEL	CURVE		(DEFROST CURVE SELECT)	
REVVLV	OFF		(REVERSING VALVE)	
AuxHtg	OFF		(AUXILIARY HEAT)	
MODE	COOLING		(Mode)	
MENU	▼Det		ails	
SUB MENU	Φ¥E		RV-En 🕾	
ERV-EN		No	(Econ&PwrExIntrgrationW/ ERV)	
ERVUNOCCFAN-EN			(ERV UNOCCUPIED FAN ENABLED)	
FANCTI-LYPE		SINGLE SPEED	(UNITOPMODE)	
FAN OFF		OFF	(UCB FAN 24 VAC OUTPUT STATUS)	
ECON-FREE		No	(FREECOOLING AVAILABLE)	
EXFAN		OFF	(EX-FAN 24 VAC OUTPUT)	

	▼De	▼Details		
SUB MENU	œ▼T	24LoadShed 🖙		
LOADSHEDRATEL	м .066	(RATE LIMITER)		
LOADSHEDADJUST	4.0 F	(LOAD SHED ADJUST)		
LOADSHEDENABL	E No	(LOAD SHED ENABLE)		
	>Sel	f Test		
	<b>V</b> Colf	Tooto		
MENU	▼Self			
MENU START	(BEGINS TH	HE SELF TEST SEQUENCE) HE SEQUENCE TO HOLD ANY OUTPUTS		
Menu Start Pause	(BEGINS TH (CAUSES TH ON FOR 10 (STOPS THE	HE SELF TEST SEQUENCE) HE SEQUENCE TO HOLD ANY OUTPUTS		
	(BEGINS TH (CAUSES TH ON FOR 10 (STOPS THE TURNS THE	HE SELF TEST SEQUENCE) HE SEQUENCE TO HOLD ANY OUTPUTS MINUTES.) HE SELF TEST SEQUENCER AND RE- SEC TO NORMAL OPERATION.) CURRENT STATE OF THE SELF		

	>View	A = C = PWR			
MENU	View Re	esult <sup>©</sup>			
FANRESULT	PASS-FAIL	(APS ON EARLY OR APS OFF)			
CIRESULT	PASS-FAIL-WARNING				
C2RESULT	PASS-FAIL-WARNING				
C3RESULT	PASS-FAIL-WARNING				
C4RESULT	PASS-FAIL-WARNING				
HIRESULT PASS-FAIL-WARNING					
H2RESULT	PASS-FAIL-WA	RNING			
H3RESULT	PASS-FAIL-WARNING				
ECONRESULT	Die Fri	(Duurse)			
ECONRESOLI	PASS-FAIL	(DAMPER)			

# END OF MENU