Smart Equipment™ Controls
Quick Start Guide
3.2.0.0138 and prior

BEFORE YOU BEGIN CONFIGURING YOUR UNIT CONTROLLER

Ensure 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 LOCAL LCD

After you apply power to your Rooftop Unit (RTU), a start-up countdown begins on the Unit Control Board (UCB) LCD. When the controller is ready, the screen will be blank if no faults are present. Use the joystick and the two push buttons below the LCD, to navigate through the menus (Figure 1).
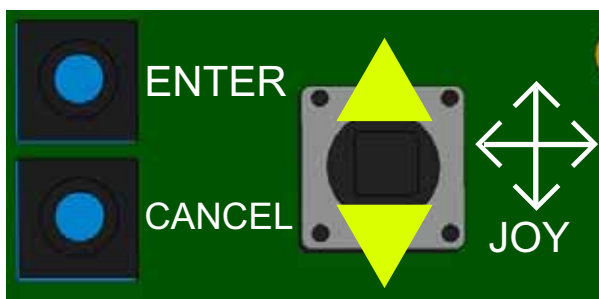

FIGURE 1 - Joystick and Push Buttons on UCB

Up and down movements of the joystick move the > cursor and scroll through the selections in the active section of the menu (Figure 2).


```
>Status
Alarms

Summary
Commission
Controller

Update
Details
Self Test
View Results
```
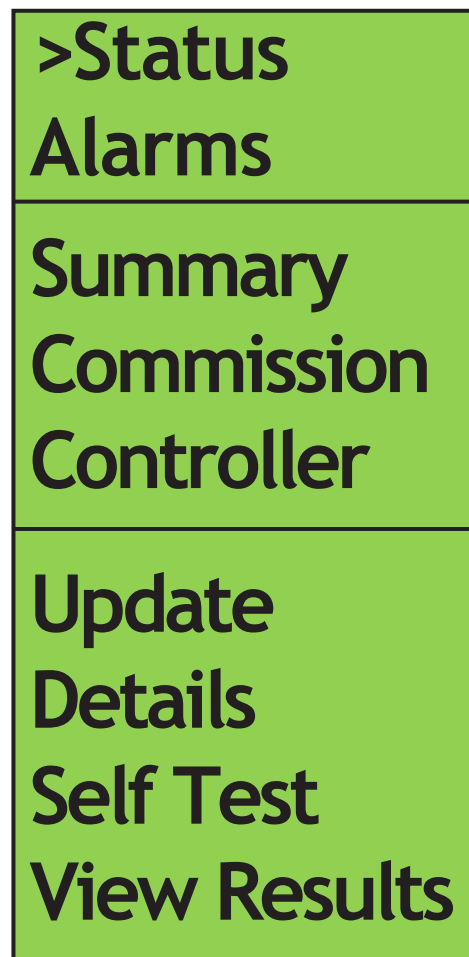
FIGURE 2 - UCB Top Level Menu

Each menu selection represents either a sub-menu or a property. 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 up or down with the joystick to display the values of other properties.

NOTE: Please see the menu navigation example on page 5.

POWERING THE UNIT

When you apply power to the unit the UCB begins a start-up sequence.

The LCD scrolls the text Johnson Controls on the top line and JCI on the bottom line (Figure 3).
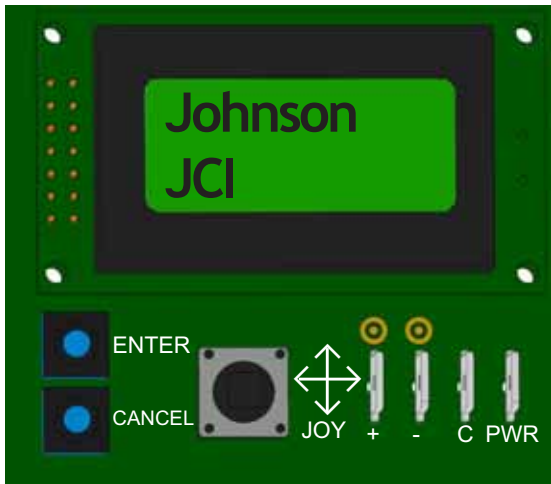

FIGURE 3 - Powering the Unit

The display backlight and green Power LED remain lit as long as power is applied to the C and 24V terminals.

The red Fault LED lights, goes off briefly, and then flashes throughout the start-up sequence.

The green SA Bus LED lights briefly.

During the start-up sequence, the joystick, the "ENTER" button, and the Cancel button are not functional.
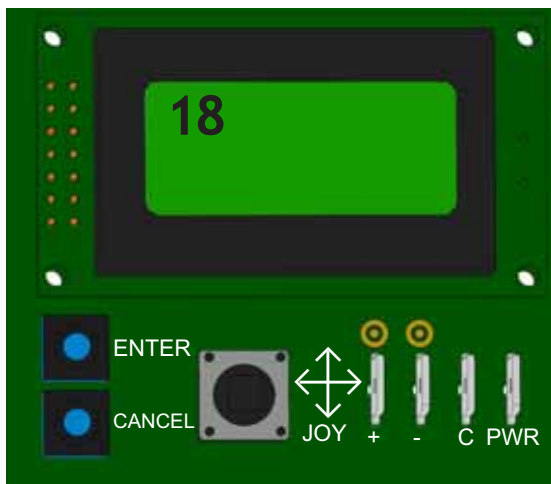
The LCD shows a countdown on the top line.

FIGURE 4 - Start-up Countdown

After approximately 15 seconds, the green SA Bus LED does one of the following:

- Lights to indicate 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 (90 - 120 seconds), the display shows the current operating status. I.E. Idle, startup delay, cooling... on both lines if no alarm is active. The red Fault LED stops flashing and turns off. The joystick, "ENTER", and Cancel buttons are operational.

COMMISSIONING WITH THE LOCAL LCD

Figure 5 shows the Commissioning view second level menus. The Commissioning view consists of 9 nine main menus and several sub-menus.

FIGURE 5 - Commissioning View: Second Level Menus
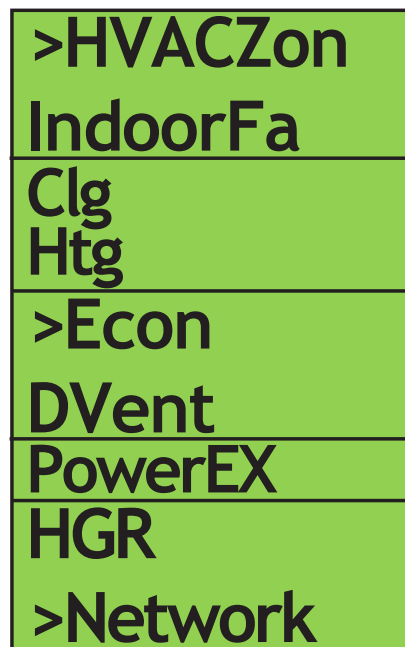
COMMISSIONING VIEW SUBMENUS

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.

NOTE: Please see the Commissioning Menu Starting on Page 9.

NOTE: Please see the Pages 7 - 20 for a detailed table of all menus, sub-menus and properties.

VALIDATING YOUR CONFIGURATION

Use the Details > Service > Inputs menu to ensure 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 input states **No Input**. This is a convenient way to ensure all your configuration parameters are set and reading properly.

IMPORTANT - Remember to save your configuration parameters using the Update > Backup feature with the USB port on the UCB if performing a firmware update. See *Connecting your Flash Drive* and *Performing a System Configuration Backup* for more information.

CONNECTING YOUR FLASH DRIVE IF PERFORMING A FIRMWARE UPDATE

When you connect your flash drive to the USB port on the UCB, USB: Wait appears (Figure 6).
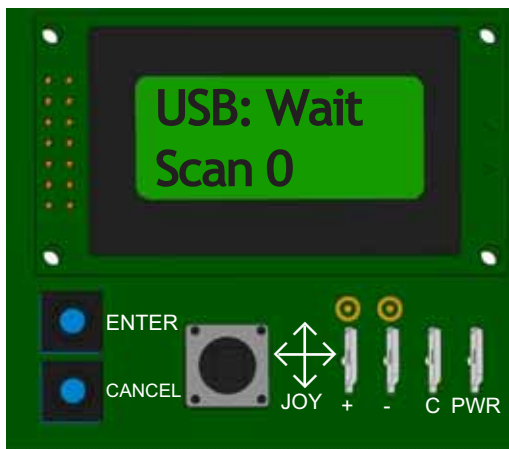
FIGURE 6 - USB Port Connection

NOTE: If you do not see USB: Wait after you connect your flash drive to the UCB, ensure it is properly connected. If it is properly connected, and you do not see the USB: Wait text, your flash drive may not be compatible with the UCB or is defective.

After a few seconds, the top line of the UCB displays USB: OK (Figure 7). The Scan number indicates the files and folders in the top level of the flash drive.compatible with the UCB.
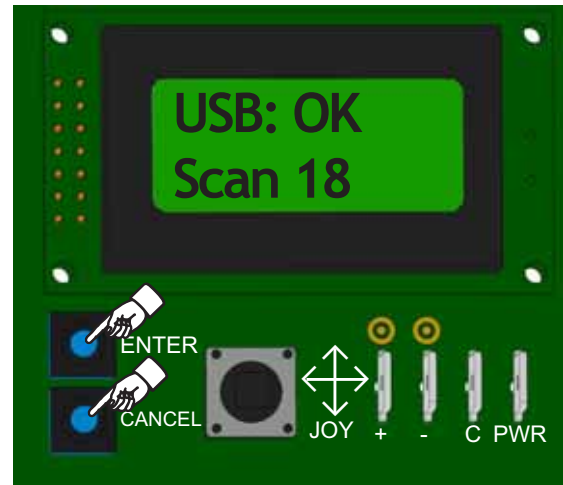
FIGURE 7 - USB Scan

You can keep the flash drive connected to the UCB after the scan completes.

Press the "ENTER" button, press the cancel button, or move the joystick up or down to navigate through the display menu.

PERFORMING A SYSTEM CONFIGURATION BACKUP

Insert your flash drive into the USB port. Navigate to the Update > Backup menu and press "ENTER" (Figure 8).
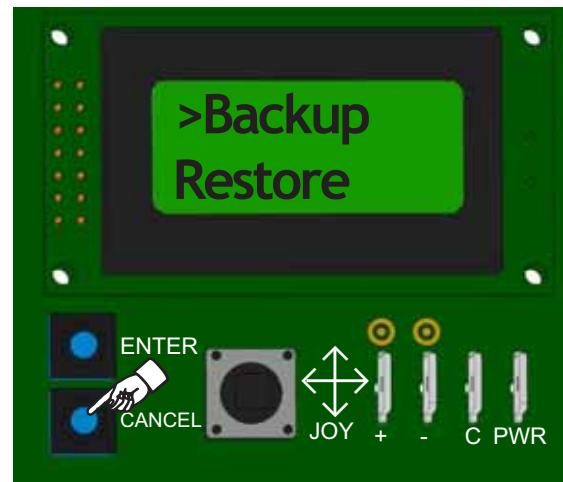
FIGURE 8 - Backup Menu Option

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 and BKP: OK appears on the screen. The percentage shows 100.

BKP:OK
bCfg 100
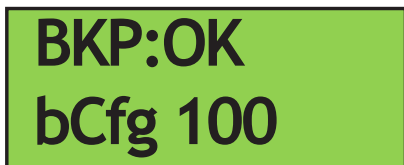
FIGURE 9 - Backup Complete

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. Figure 10 shows an example of the .csv file name structure.

Restoration File Name Structure

RTU_2013-11-30T114609.csv

Year
Month
Day
Hour (Military Time)
Minute
Second

FIGURE 10 - Restoration File Name Structure

You can restore the backup file to the unit and retrieve the configuration after performing an upgrade or making setpoint changes by using the Upgrade > Restore feature.

Use the Partial Cloning feature to take the configuration parameters from one unit, via the backup file, and update the data on another unit. Use the Upgrade > Part Clone feature on the unit you wish to update using the backup file from the previously configured unit.
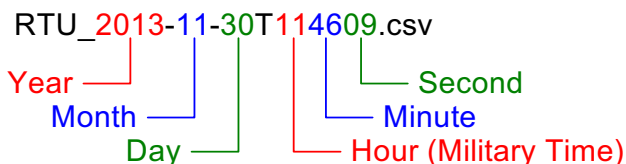
NOTE: Only use the Full Cloning feature when having to replace the UCB board.

UPDATING SMART EQUIPMENT™ SOFTWARE

AUTO UPDATE (FWU: Firmware Update)

In the release of Version 3.1.0.0128[1], an "Auto Update" feature was added. Otherwise known as Firmware Update (FWU), this feature will determine if there are any mismatches in the firmware versions on all applicable control boards on the unit (Economizer, FDD1, FDD2, 4-Stage). If there are any mismatches, the Auto Update process will begin and automatically push the 3.2.0.0138 version to all applicable boards on the unit. This may take between 7-30 minutes depending on the amount of control boards.

The Auto Update feature required a change to the memory size on the Unit Control Board. The 3.2.0.0138 firmware revi-

sion CAN be installed into an older (4MB memory) board, but IT WILL NOT perform the Auto Update function.[2]

Microprocessor Size Indication

SSE Board Revision Location
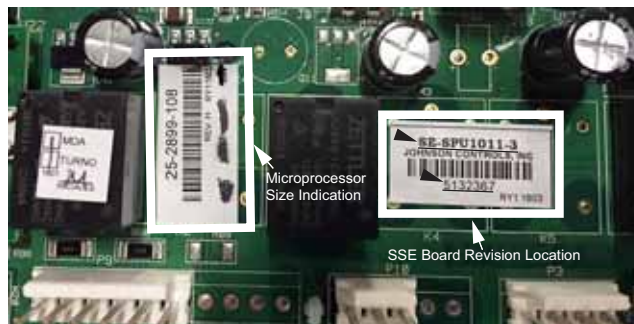
FIGURE 11 - Smart Equipment™ Board Revision (See Table 1)

Table 1: Part Number Chart

UCB	v3.0	v3.1
2 stage w/o Comm	1089066 / SE-SPU1002-1	5132364 / SE-SPU1002-3
2 stage with Comm	1089070 / SE-SPU1012-1	5132365 / SE-SPU1012-3
1 stage w/o Comm	1149498 / SE-SPU1001-1	5132366 / SE-SPU1001-3
1 stage with Comm	1149499 / SE-SPU1011-1	5132367 / SE-SPU1011-3

⚠ CAUTION

If loss of power occurs during the Auto update process, the UCB will re-attempt the updating once power is restored. This will occur 90 seconds after completion of normal startup routine if the UCB determines there are still firmware mismatches.

The UCB will attempt the auto update up to a maximum of 5 times after restoration of lost power. If it reaches the maximum of 5, the firmware will need to be updated manually via USB drive.

DO NOT use the joystick, Enter or Cancel buttons during the auto update process. Let the unit perform its operation.

If the auto update fails for any reason, it will display a brief message, the Fault LED will blink and an alarm indicating "firmware mismatch" will display. If this occurs, manual updating via USB will be necessary.

If USB drive is used to flash a 3.1 level board (8MB) with an older 3.0 level firmware, the update will need to be performed twice.

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1. Firmware update must be performed twice back to back

2. REV. G indicates 4MB board. REV. H indicates 8MB board.

Smart Equipment™ Controls Quick Start Guide

A USB Flash Drive must be plugged into the UCB. It must contain the appropriate software file (ending in ".pkg"). This is at the top level of the flash drive.

On the UCB, at the display, push the joystick "down" until the display has a line showing: >Update.

**Controller
>Update**

FIGURE 12 - Display Update

Push the "ENTER" button. The first line should now display: >View Ver.
  • If you want to verify the version in the UCB, push the "ENTER" button now. The current version will be displayed. Push the Cancel button to return to displaying ">Update"

Push the joystick down until the display is showing: >Backup

Push the "ENTER" button. Wait until the top line says "BKP: OK" and the second line says 100%

Push the Cancel button. The display should now show: >Update

Push the "ENTER" button. The display should now show: >View Ver

Push the joystick down. The first line should now display: >LoadFirm

Push the "ENTER" button. The top line should display: >3.0.0.1070.secusb.pkg or the current firmware version.

If not, push the joystick down (or up) so the carrot (>) points to the appropriate file

Push the "ENTER" button. Push again to Confirm.

The UCB and economizer will now be reprogrammed with the selected software, if they are different. Wait until the everything is complete, and the control has done a Restart (as if power was just applied).

On the UCB, at the display, push the joystic0 "down" until the display has a line showing: >Update

Push the "ENTER" button. The first line should now display: >View Ver

Push the joystick down until the display is showing: >Restore

Push the "ENTER" button.

Push the joystick down until the display line starts with: >RTUxxxx and ends with .csv

The UCB will now read back the stored setup. When it is done, the control will Restart. When that is complete, the new software version will be running.Push the "ENTER" button. Push again to Confirm.

READ THE VERSION ON THE ECONOMIZER

With Econ and UCB attached together (see Step 1 above).

Push the joystick "down" (or up, if you go past) until the display shows: >Contrler

**>Controller
Update**

FIGURE 13 - Display Update

Push the "ENTER" button. The first line should now display: >Firm

Push the joystick down until the display shows: >SysCntlrs

Push the "ENTER" button. The first line should now display: >Misc

Push the joystick down until the display shows: >Econ

Push the "ENTER" button. The first line should now display: >EconMainVer

Push the "ENTER" button again. The second line should now display the version of software installed in the Economizer.

SMART EQUIPMENT™ FIRMWARE VERSION 3.2 BASIC UNIT CONTROL BOARD NAVIGATION EXAMPLES:

The following document details the navigation and viewing of the LCD display screen equipped as a standard item on the Smart Equipment™ control installed within various commercial UPG 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 basic navigation steps outlined in this short demonstration applies to most menus within the Smart Equipment™ control.
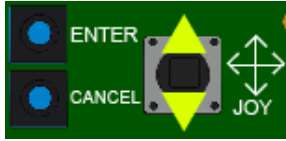
Understanding the Local LCD
After you apply power to your Rooftop Unit (RTU), a start-up countdown begins on the Unit Control Board (UCB) LCD. When the controller is ready, the screen is blank because no faults are present. Use the joystick and the two push buttons below the LCD, to navigate through the menus.

Step 1 - After the start-up countdown is complete the first screen displayed is the "Status & Alarms" screen. When the cursor is on the top "Status" line hit the ""ENTER"" button. This action steps the LCD display into the status mode. Hit ""ENTER"" to view the status menu.
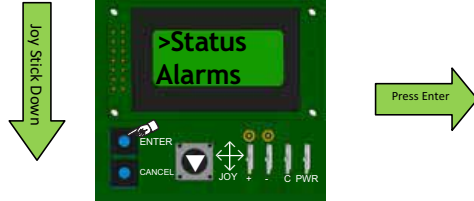
Step 2 - Scroll down to "DVent-Mode". This is the demand ventilation mode.

Step 3 - When the cursor is on the "DVent-Mode" hit "ENTER" to view the status of this mode. In this case a CO2 sensor is not installed, thus Demand Ventilation or DVent is disabled.

Step 4 - To exit out of the "DVent-Mode status screen push "Cancel". The screen returns to that shown below.
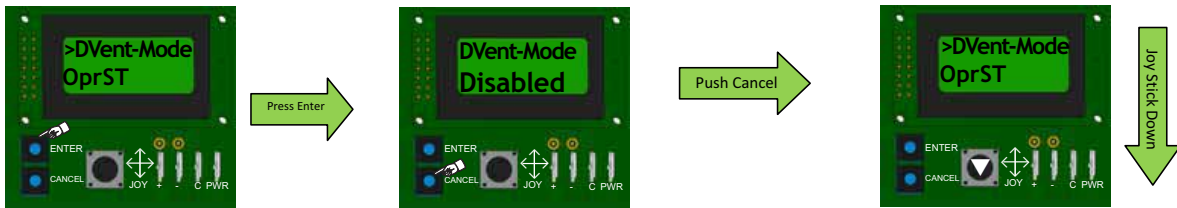
Step 5- By pushing the joystick down, the cursor toggles to OprST (Operating Space Temp).
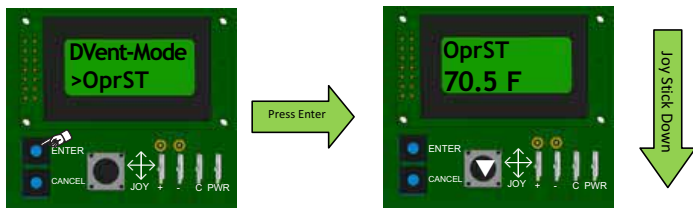
Step 6- By pushing "ENTER" the actual OprST (Operating Space Temp) appears. Pushing the joystick down scrolls through SAT, RAT, OAT and other available sensor readings.
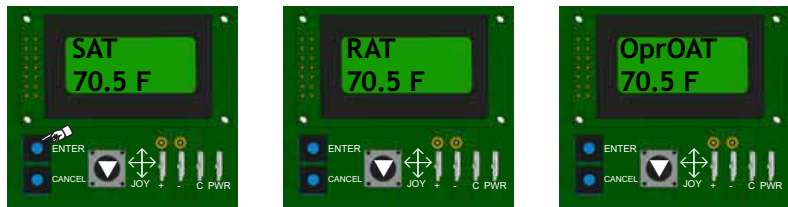
Press the "Cancel" button to exit each menu level. Repeatedly pressing "Cancel" returns the menu to the first "Status, Alarms" screen.

When the "Cancel" button is pressed multiple times to exit each menu level and the screen returns to the first "Status, Alarms" display the next demonstration can begin. In this demonstration the information below steps through the "Commissioning" menu.

Step 1- Beginning at the status/alarm screen toggle the joystick down three times. This accesses the "Commissioning " screen. In this menu section various settings can be changed. Please see the menu table that follows this demonstration for a list of parameters that can be modified.

Step 2- Once commission appears next to the cursor, press "ENTER" to begin viewing parameters.

>Status
Alarms
ENTER CANCEL JOY + - C PWR

Joy Stick Down

Status
>Alarms
ENTER CANCEL JOY + - C PWR

Joy Stick Down

Alarms
>Summary
ENTER CANCEL JOY + - C PWR

Joy Stick Down

Summary
>Commisn
ENTER CANCEL JOY + - C PWR

Step 3- After "ENTER" is pressed the various parameter sections appear, such as: HVAC zone, Indoor Fan, Clg, Htg, Econ and others.

Step 4- After toggling the joystick down two times "Clg" appears. This allows items, such as lead-lag and OCC/UNOCC cooling set points, to be changed.

Step 5- At the "Clg" screen once "ENTER" is pushed the status indicates if cooling is engaged/disengaged and lead-lag is engaged/ disengaged.

>HVAC Zone
Indoor Fan
ENTER CANCEL JOY + - C PWR

Joy Stick Down 2

Indoor Fan
>Clg
ENTER CANCEL JOY + - C PWR

Press Enter

Clg-Engaged
LeadLag-Engaged
ENTER CANCEL JOY + - C PWR

Joy Stick Down 2

Step 6- By toggling down twice the screen reaches the "ClgOcc-SP" screen or "Cooling Occupied Set Point".

Step 7- After pressing "ENTER" at the "ClgOCC-SP" screen the space temperature set point appears. NOTE: Only applies to units controlled by a space sensor.

Step 8- In order to change set points push the toggle switch left or right. Note: The screen flashes. Left decreases the value, right increases. In this demonstration the ClgOCC setpoint is changed from 72F to 95F.

LeadLag-Engaged
>ClgOcc-SP
ENTER CANCEL JOY + - C PWR

Press Enter

ClgOcc-SP
72 F
ENTER CANCEL JOY + - C PWR

Toggle Left to Decrease ◄
Toggle Right to Increase ►

Screen Will Flash

DOWN ◄   UP ►

Step 9- The joystick was toggled right to increase the set point temperature. The screen flashes when in the change mode. Once the desired set point/value is reached press the ""ENTER"" button to save the value.

ClgOcc-SP
95 F
ENTER CANCEL JOY + - C PWR

These few pages provide a simple demonstration how to navigate the menu's of the Smart Equipment™ control containing Version 3 firmware. Please utilize this document along with the additional information in the Users Guide and detailed navigation menu to adjust the control to customer preferences or job specifications.

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!

SE UCB DISPLAY MENU GUIDE 3.2

>Status

Press 1x
ENTER
CANCEL
JOY + - C PWR
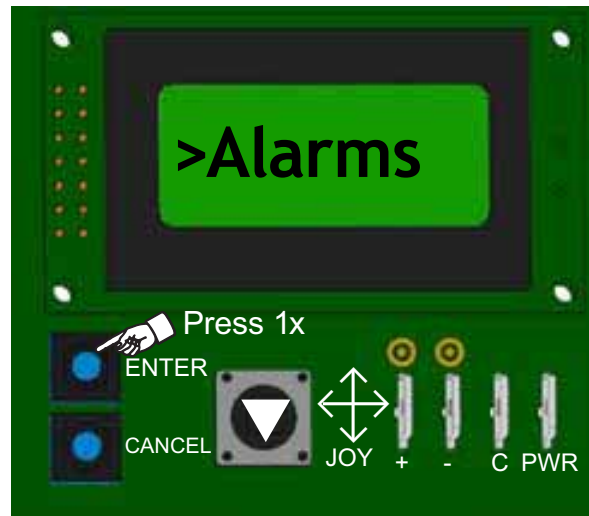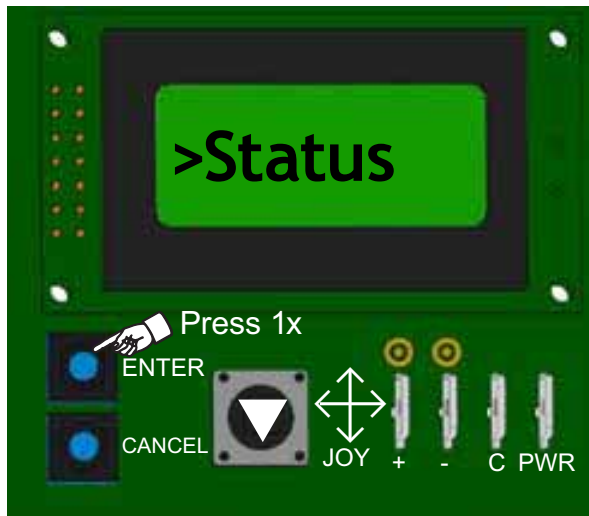
Menu	Status ☞	
Unit-S	Idle	(Unit Status)
Econ-S	Disabled	(Economizer Status)
ExF-S	Off-Idle	(Exhaust Fan Status)
Fan-S	Off-Idle	(Fan Status)
Clg-S	Off-Idle	(Cooling Status)
Htg-S	Off-Idle	(Heating Status)
HGR-S	Off-Idle	(Hot Gas Reheat Status)
DVent-Mode	Disabled	(Demand Vent Mode)
OprST	(73.0 F)	(Space Temperature Input)
SAT	(60.7 F)	(Supply Air Thermistor Input)
RAT	(73.0 F)	(Return Air Thermistor Input)
OprSH	(49.6 %H)	(Space Humidity Input)
RAH	(49.6 %H)	(Return Air Humidity Input)
OprOAT	(73.0F)	(Outdoor Air Temperature Input)
OprOAH	(71 %H)	(Outdoor Air Humidity Input)
OprOAQ	(989ppm)	(Outdoor Air Quality Input)
OprIAQ	(477ppm)	(Indoor Air Quality Input)

▼▲◄► Joystick navigation JOY

☞Press Enter 1 time ENTER

☞▼Press Enter Scroll Down CANCEL
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

>Alarms

Press 1x
ENTER
CANCEL
JOY + - C PWR

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
CANCEL
JOY + - C PWR
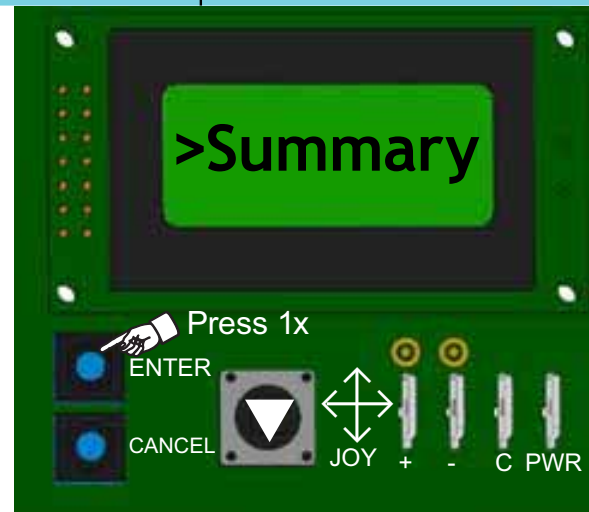
Menu	▼Summary	
Sub Menu	☞HVACZone☞	
OccSrc	Local Input	(Occ/UnOcc Status Source)
OprVAVClg-Sp	60 F	(VAV Operating Cool Setpoint)
VAVOprHtg-Sp	68F	(VAV Operating Heat Setpoint)
OprCVClg-Sp	72 F	(CV - Operating Cool Setpoint)
CVOprHtg-Sp	68 F	(CV - Operating Heat Setpoint)
OprSZVAV-Clg-Sp	72 F	(SZ VAV Operating Clg Sp)

MENU	▼Summary		
SUB MENU	☞HVACZone☜		
OPR ST	73.0 F	(SPACE TEMPERATURE INPUT)	
OPR SH	49.6 %H	(SPACE HUMIDITY INPUT)	
OPRIAQ	477PPM	(INDOOR AIR QUALITY INPUT)	

MENU	▼Summary		
SUB MENU	☞▼Fan☜		
FAN	(UCB FAN 24 VAC OUTPUT STATUS)		
FANCTL-TYPE	SINGLE SPEED	(ID BLWR/UNIT OP MODE)	
FANON OCC	YES	(CV CONSTANT FAN IN OCCUPIED MODE)	
FANVFD	0%	(UCB VFD 2-10 VDC OUTPUT STATUS)	
DCTPRS-SP	1.50"/w	(VAV SUPPLY DUCT PRESS SETPT)	
DCTPRS	1.50"/w	(VAV UCB DCT PRS 0-5 VDC INPUT)	

MENU	▼Summary		
SUB MENU	☞▼Clg☜		
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)	
STGCLGCMD	0%	(STAGED COOLING COMMAND)	
SZVAVCLGLD	0%	(SZ VAV COOLING LOAD)	

MENU	▼Summary		
SUB MENU	☞▼Htg☜		
HI	OFF	(UCB HI 24 VAC OUTPUT STATUS)	
H2	OFF	(UCB H2 24 VAC OUTPUT STATUS)	
H3	OFF	(4STG H3 24 VAC OUTPUT STATUS)	
HWV	0%	(4STG HWV 24 VAC OUTPUT STATUS)	
STGHTGCMD	0%	(STAGED HEATING COMMAND)	
SZVAVCLGLD	0%	(SZ VAV COOLING LOAD)	

MENU	▼Summary		
SUB MENU	☞▼Heat Pump ☜		
CLG-S	OFF-IDLE	(COOLING STATUS)	
HTG-S	OFF-IDLE	(HEATING STATUS)	
CI	OFF	(UCB CI 24 VAC OUTPUT STATUS)	
C2	OFF	(UCB HI 24 VAC OUTPUT STATUS)	

MENU	▼Summary		
SUB MENU	☞▼Heat Pump ☜		
REVVLV	OFF	(REVERSING VALVE)	
AUXHTG	OFF	(AUXILIARY HEAT)	
MODE	COOLING	(MODE)	

MENU	▼Summary		
SUB MENU	☞▼Econ☜		
ECON-FREE	NO	(FREE COOLING AVAILABILITY)	
FREECLG-MODE	DRY BULB TEMPE	(CHANGOVER METHOD)	
ECON	0%	(ECON 2-10 VDC OUTPUT STATUS)	
LOWAMB-MINPOS	0%	(ECON "OCC" LO AMB MIN POS)	
ECONOAT-SPEN	55 F	(DRYBULB FREE COOL SETPOINT)	
ECONOAENTH-SP	27 B/#	(S ENTHLP FREE COOL SETPOINT)	
OA-ENTH	20B/#	(OS AIR ENTHALPY CALCULATED)	
OPROAH	19%H	(OS AIR HUMIDITY IN USE)	
OPR OAT	70.7 F	(OS AIR TEMPERATURE IN USE)	
RA-ENTH	20B/#	(RA AIR ENTHALPY CALCULATED)	
RAH	19.4 %H	(UCB RAH 0-10 VDC INPUT)	
RAT	70.4 F	(UCB RAT THERMISTOR INPUT)	

MENU	▼Summary		
SUB MENU	☞▼DVent☜		
DVENT-MODE	DISABLED	(DMAND VENT MODE SELECT)	
DVENTIAQ-SP	1000PPM	(DEMAND VENT SET POINT)	
DVENTDIFF-SP	600PPM	(IAQ - OAQ DIFF SET POINT)	
OPRIAQ	477PPM	(IAQ CURRENTLY IN USE)	
OPROAQ	989PPM	(OAQ CURRENTLY IN USE)	

MENU	▼Summary		
SUB MENU	☞▼PowerEx☜		
EXFTYPE	NONE	(POWER EXH FAN MODE SELECTION)	
EXFAN	OFF	EXFAN OFF (EX-FAN 24 VAC OUTPUT STATUS)	
EAD-O	0%	(MODDMPR EX-VFD 2-10VDC OUTPT STATUS)	
EXFANVFD	0%	(VFD EX-VFD 2-10VDC OUTPUT STATUS)	
BLDG-SP	100"/w	(BLDG PRESSURE SET PT FOR EXH)	
BLDGPRES	.164"/w	(BLDG PRESSURE 0-5 VDC INPUT)	
ECON	0%	(ECON 2-10 VDC OUTPUT STATUS)	
ECONDMPPOSFANON	60%	(POSITION EX-FAN 24VAC ON)	
ECONDMPPOSFANOFF	20%	(POSITION EX-FAN 24VAC OFF)	

MENU	▼Summary	
SUB MENU	☞▼HGR☞	
HGR	OFF	(HOT GAS REHEAT)
HGRHUM-SP	60DEGF	(HOT GAS REHEAT HUMIDIDTY SETPOINT)
HGRUNOC-CHUM-SP	70DEGF	(HGR UNOCC HUM SP)
RAH	(49.6 %H)	(R A HUMIDITY 0-10 VDC INPUT)

MENU	▼Summary	
SUB MENU	☞▼Sensor☞	
SAT	(60.7 F)	(S A TEMP THERMISTER INPUT)
RAT	(73.0 F)	(R A TEMP THERMISTER INPUT)
RAH	(49.6%H)	(R A HUMIDITY 0-10 VDC INPUT)
OPR OAT	(73.0 F)	(OS AIR TEMPERATURE INPUT)
OPROAH	(19%H)	(OS AIR HUMIDITY INPUT)
OPROAQ	(989PPM)	(OS AIR QUALITY INPUT)

MENU	▼Summary	
SUB MENU	☞▼Network☞	
COMM-S	WAITING FOR POL	(FCBusCommStatus)

>Commission

☞ Press 1x
ENTER
CANCEL
JOY + - C PWR
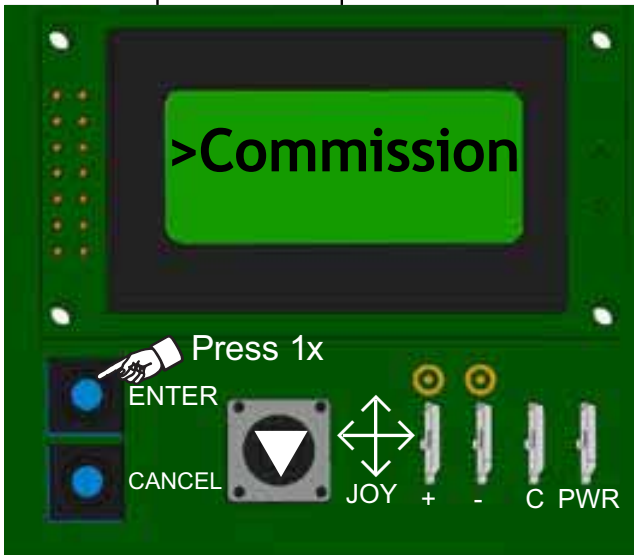
MENU	▼Commission	
SUB MENU	☞HVAC Zone☞	
OccMode	EXTERNAL	OCCUPANCY MODE
OffDurUnocc	YES	(OFF DURING UNOCCUPIED)
PIDTunRst	FALSE	(PID TUNING RESET)

MENU	▼Commission	
SUB MENU	☞▼IndoorFan☞	
DctPrs-Sp	1.50"/w	(VAV SUPPLY DUCT PRESS SETPOINT)
FanOn Occ	YES	(CV ConstantFanOccupied MODE)

MENU	▼Commission	
SUB MENU	☞▼IndoorFan☞	
FAN ONLY-% CMD	50%	(CV INTELLISPEED FAN ONLY)
1CLGSTG-% CMD	70%	(CV INTELLISPEED 1 STG COOL)
2CLGSTG-% CMD	80%	(CV INTELLISPEED 2 STG COOL)
3CLGSTG-% CMD	90%	(CV INTELLISPEED 3 STG COOL)
4CLGSTG-% CMD	100%	(CV INTELLISPEED 4 STG COOL)
1HTGSTG-% CMD	100%	(CV INTELLISPEED 1 STG HEAT)
2HTGSTG-% CMD	100%	(CV INTELLISPEED 2 STG HEAT)
3HTGSTG-% CMD	100%	(CV INTELLISPEED 3 STG HEAT)
DCTPRS		(LOW PRESSURE LIMIT 1)
DCTPRS		(LOW PRESSURE LIMIT 2)
TIME		(TIME)
TIME		(TIME)

MENU	▼Commission	
SUB MENU	☞▼Clg☞	
CLG-EN	YES	(COOLING ENABLED/DISABLED)
LEADLAG-EN	No	(EQUALIZED COMP RUNTIME)
SATUP-SP	60 F	(VAV - UPPER S A TEMP SETPOINT)
SATLO-SP	55 F	(VAV - LOWER S A TEMP SETPOINT)
SATRST-SP	72 F	(VAV - S A TEMP RESET SETPOINT)
VAVCLGUNOCC-SP	85 F	(FANCTL-TYPE = VARIABLE SPEED)
CLGOCC-SP	72 F	(CV - OCC COOLING SETPOINT)
CLGUNOCC-SP	85 F	(CV - UNOCC COOLING SETPOINT)
SZVAVCLGOCC-SP	72 F	(SZ VAV OCC CLG SP)
SZVAVCLGUNOCC-SP	85 F	(SZ VAV UNOCC CLG SP)

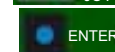| MENU	▼Commission	
SUB MENU	☞▼Htg☞	
HTG-EN	YES	(HEATING ENABLED/DISABLED)
HTGOCC-EN	YES	(VAV OCC HEATING ENABLE)
VAVHTGOCC-SP	68 F	(VAV - OCC HEATING SETPOINT)
HTGUNOCC-EN	60 F	(UNOCC HEATING ENABLE)
VAVHTGUNOCC-SP	60 F	(VAV UNOCC HEATING SETPT)
CVHTGOCC-SP	68 F	(CV - OCC HEATING SETPOINT)
CVHTGUNOCC-SP	60 F	(CV - UNOCC HEATING SETPOINT)
HYDREVERSE	No	(HYDRONIC HEAT VALVE REVERSE ACTING)
HYDHISA-SP	120 F	(HYDRONIC HEATING STAGE #1 SP)
HYDH2SA-SP	150F	(HYDRONIC HEATING STAGE #2 SP)
SATTEMPHY-DHT-EN	No	(HYD HEAT SAT TEMPERING ENABLED)
SATTEMPHYDHT-SP	40F	(HYD HEAT SAT TEMPERING SP)

Menu	▼Commission	
Sub Menu	☞▼Econ☞	
Econ-En	Yes	(Permit Free Cooling operation)
FreeClg-Sel	Auto	(FreeCoolChangeoverMethod)
EconOAT-SpEn	55 F	(DryBlbFreeCoolCngOvrSetPt)
EconOAEnth-Sp	27 B/#	(S Enthlp FreColCngOvrSetPt)
LowAmb-Sp	0 F	(Econ"Occ" MinPosLoAmbSetPt)
LowAmb-MinPos	0%	(Econ"Occ"LoAmbMinPos)
EconMechStp	Option B	(Econ Mech Setup)
EconFltDetectEn	Yes	(Econ Fault Detection En)
EconAlrmDly	600s	(FDD Econ Alarm Delay)
EconPosErr	8%	(FDD Econ Damper Allow Error)
EconMinErr	5%	(FDD Damper Min Pos Tolerance)

Menu	▼Commission	
Sub Menu	☞▼DVent☞	
DVent-Mode	Disabled	(DmandVentModeSelect)
DVentMaxEconPos	50%	(Max Econ Position)
DVentIAQ-Sp	1000ppm	(Demand Vent IAQ SetPt)
DVentDiff-Sp	600ppm	(IAQ-OAQ DifferenceSetPt)
IAQRange	2000ppm	(ID SetPt w/Co2 Sensor Inst)
OAQRange	2000ppm	(OD SetPt w/Co2 Sensor Inst)

Menu	▼Commission	
Sub Menu	☞▼PowerEx☞	
Bldg-Sp	100"/w	(BldgPressureSetPt for Exh)
EconDmpPosFanOn	60%	(PositionExFan 24vac On)
EconDmpPosFanOff	20%	(PositionExFan 24vac Off)
ExDmpPosFanOn	80%	(PositionExFan 24vac On)
ExDmpPosFanOff	20%	(PositionExFan 24vac Off)
ERV-En	No	(Econ&PwrEx intergration w/ ERV)
ERVUnoccFan-En		(ERV Unoccupied Fan Enabled)

Menu	▼Commission	
Sub Menu	☞▼HGR☞	
HGR-En	No	(Hot Gas Reheat Enabled)
HGRUnocc-En	No	(HGR Unocc Enabled)
HGRAltWrite	No	(HGR Alternate Writeable)
HGRAlt-En	No	(HGR Alternate Enabled)
HGRHum-Sp	60F	(Hot Gas Reheat Humididty Setpoint)

Menu	▼Commission	
Sub Menu	☞▼HGR☞	
HGRUnoccHum-SP	70F	(HGR Unocc Hum Sp)
HGR-Diff	3%	(HGR Humidity Setpoint Differential)
Mode		(Aux Mode)

Menu	▼Commission	
Sub Menu	☞▼WarmupCooldown☞	
OptStrt-En	No	(Optimal Start Enabled)
EarlyStrtPeriod	60min	(Early Start Period)
UseOccSched	Yes	(Use Occupancy Schedule)

Menu	▼Commission	
Sub Menu	☞▼T24LoadShed ☞	
LoadShedRateLim	.066	(Rate Limiter)
LoadShedAdjust	4	(Load Shed Adjust)
LoadShedEnable	No	(Load Shed Enable)

Menu	▼Commission	
Sub Menu	☞▼Defrost☞	
TestDefrostEnable	No	(Test Defrost Enable)
CompDelayEnable	No	(Compressor Delay Enable)
DefrostCurveSel	Curve 1	(Defrost Curve Select)

Menu	▼Commission	
Sub Menu	☞▼Network☞	
DevName	UCBApp	(FCBusBACnetNtwrkName)
BASCom	BACNET	(CommSubboard operation)
Address	4	(FCBusBACnetNetworkAddress)

Menu	▼Commission	
Sub Menu	☞▼SZVAV☞	
DATClgMinSP	54F	(DAT Cooling Min Sp)
DATMaxHtgSP	105F	(DAT Heating Max SP)
DATSATSP	70F	(DAT Satisfied SP)
SZVAVMinFanSpd	66%	(Minimum Fan Speed)

▼▲◄► Joystick navigation   JOY

☞Press Enter 1 time   ENTER

☞▼Press Enter Scroll Down
Press Cancel to return
to Previous Menu   CANCEL

Legend	
Default settings in Red	Blue = UCB Conditional Parameter
Tan = Economizer Board Presence	DkGreen = Economizer Board Presence + another Condition

Press 1x
ENTER
CANCEL
JOY + - C PWR
>Controller
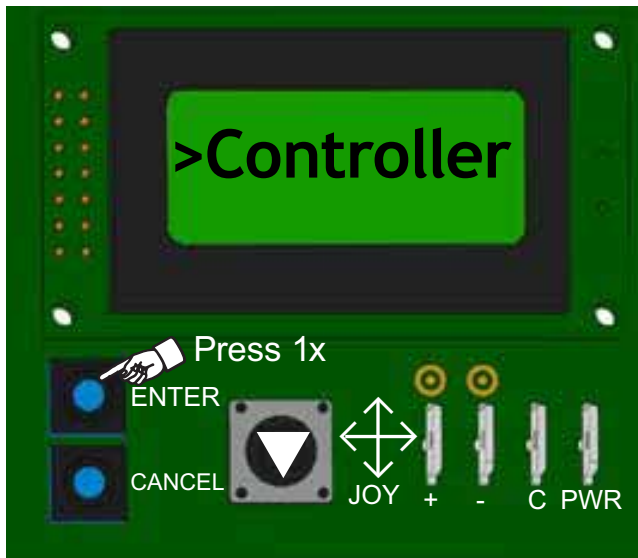
MENU	▼Controller	
SUB MENU	☞Firm☞	
FIRMVER	3.2.0.0138	(FIRMWARE VERSION)
FIRM-S	FIRMWARE VERSION	(FIRMWARE STATUS)

MENU	▼Controller	
SUB MENU	☞▼Time☞	
TIMEZONE	CENTRAL	
TIME		
DATE		

MENU	▼Controller	
SUB MENU	☞▼Network☞	
DEVNAME	UCBAPP	(FC BUS BACNET NETWORK NAME)
BASCOM	BACNET	(COMM SUB-BOARD OPERATION)
DESCRIPTION		
COMM-S	WAITING FOR POL	(FC BUS COMM STATUS)
FCBUSMODE	WIRED	(FC BUS COMM MODE)
ADDRESS	4	(FC BUS BACNET NETWORK ADDRESS)
OPRBAUDRATE	AUTO	(FC BUS BAUD RATE TO BE USED)
BAUDRATE	AUTO	(FC BUS BAUD RATE IN USE)
DEVICEID	1	(FC BUS BACNET NETWORK DEV ID #)
ENCODETYPE	ISO 10646 (UCS-2)	BACNET ENCODING TYPE

MENU	▼Controller	
SUB MENU	☞▼Misc☞	
LANGUAGE	ENGLISH	
UNITS	IP	(UNITS OF MEASURE TO BE USED)

MENU	▼Controller	
SUB MENU	☞▼SysCntlrs	
SUB MENU	☞Misc☞	
RELEARN	FALSE	(CLEAR SA BUS DEVICES IN MEMORY)
#NETSENSORS	0	(# OF NETSENSORS N SA BUS COM)
ECONCNTLR	NOT PRESENT	(ECON BRD COMM STATUS)
4STGCNTLR	NOT PRESENT	(FC BUS BACNET NETWORK ADDRESS)
FDDMCNTLR	NOT PRESENT	(REFR CIRC 1-2 STATUS)
FDDSCNTLR	NOT PRESENT	(REFR CIRC 3-4 STATUS)

MENU	▼Controller	
SUB MENU	☞▼SysCntlrs	
SUB MENU	☞▼UCB☞	
UCBMAINVER	3.2.0.0138	(FIRMWARE REVISION)
UCBAPPVER	11.7.2.0.1141_2016	(SOFTWARE APP REV)
UCBHARDVER	NOT PRESENT	(HARDWARE REVISION)

MENU	▼Controller	
SUB MENU	☞▼SysCntlrs	
SUB MENU	☞▼Econ☞	
ECONMAINVER	3.2.0.0138	(FIRMWARE REVISION)
ECONAPPVER	11.7.2.0.1141_2016	(SOFTWARE APP REV)
ECONHARDVER	NOT PRESENT	(HARDWARE REVISION)

MENU	▼Controller	
SUB MENU	☞▼SysCntlrs	
SUB MENU	☞▼4Stg☞	
4STGMAINVER	3.2.0.0138	(FIRMWARE REVISION)
4STGAPPVER	11.7.2.0.1141_2016	(SOFTWARE APP REV)
4STGHARDVER	NOT PRESENT	(HARDWARE REVISION)

MENU	▼Controller	
SUB MENU	☞▼SysCntlrs	
SUB MENU	☞▼FDDM☞	
FDDMMAINVER	3.2.0.0138	(FIRMWARE REVISION)
FDDMAPPVER	11.7.2.0.1141_2016	(SOFTWARE APP REV)
FDDMHARDVER	NOT PRESENT	(HARDWARE REVISION)

MENU	▼Controller	
SUB MENU	☞▼SysCntlrs	
SUB MENU	☞▼FDDS☞	
FDDSMAINVER	3.2.0.0138	(FIRMWARE REVISION)
FDDSAPPVER	11.7.2.0.1141_2016	(SOFTWARE APP REV)
FDDSHARDVER	NOT PRESENT	(HARDWARE REVISION)
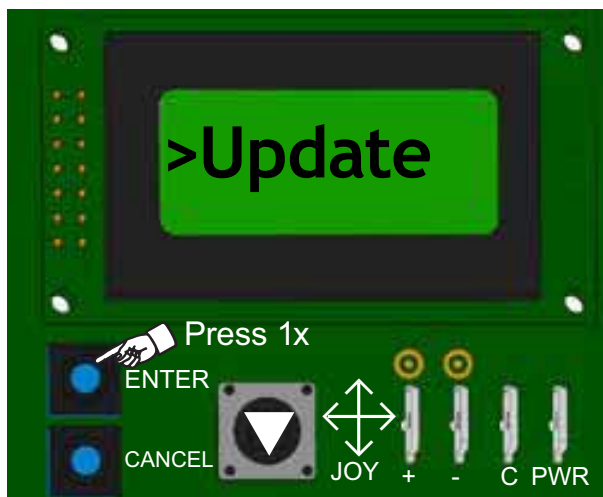
MENU	▼Update	
SUB MENU	☞View Ver☞	
3.2.0.0138	FIRMWARE OK	

MENU	▼Update	
SUB MENU	☞▼LoadFirm☞	
NO PACKAGE PRESENT	ERROR	USB W/FIRMWARE MUST BE PRESENT

MENU	▼Update	
SUB MENU	☞▼Backup☞	
BKP:WAIT	BCFG 0%	

MENU	▼Update
SUB MENU	☞▼Restore☞
>SERIALFLASH/BACKUPCONFIG	

MENU	▼Update
SUB MENU	☞▼Full Clone☞
>SERIALFLASH/BACKUPCONFIG	

MENU	▼Update
SUB MENU	☞▼Part Clone☞
>SERIALFLASH/BACKUPCONFIG	

MENU	▼Update
SUB MENU	☞▼FactryDft☞
CONFIRM	

MENU	▼Update	
SUB MENU	☞▼Date Time☞	
>HOUR	22	(0 THROUGH 23)
MINUTE	48	(0 THROUGH 59)
DAY	4	(1 THROUGH 31)
MONTH	0	(1 THROUGH 12)
YEAR	2000	(1900 THROUGH 2155)

MENU	▼Update	
SUB MENU	☞▼Export Trend☞	
>USB	MISSING	
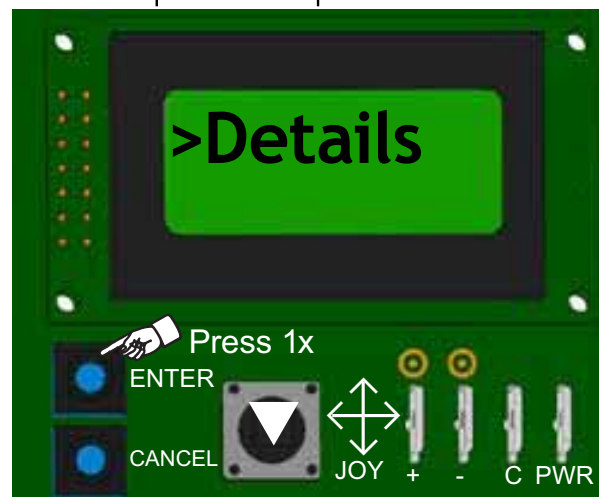
MENU	▼Details	
SUB MENU	☞Unit☞	
UNIT-S	IDLE	(UNIT STATUS)
NAME	RTUxxxx	(14 CHARACTER MAX)
MODEL#	RTUxxxxx	(14 CHARACTER MAX)
SERIAL#	DEFAULT_SERIAL	(14 CHARACTER MAX)
MODELNAME		(MODEL NAME)
RESETLO	OFF	(RESET LOCKOUTS)
UNITEN		(UNIT ENABLE)
HDWRRESET		(HARDWARE RESET)

MENU	▼Details	
SUB MENU	☞▼Setpoints☞	
OPR ST	73.0 F	(SPACE TEMPERATURE IN USE)
OPROCC	UNOC-CUPIED	(OCCUPANCY STATUS)
RAT	73 F	(UCB RAT THERMISTOR INPUT)
OPRCVCLG-SP	72 F	(CV COOLING SET PT IN USE)
CVOPRHTG-SP	68 F	(CV HEATING SET PT IN USE)
CLGOCC-SP	72 F	(CV OCC COOLING SET POINT)
CLGUNOCC-SP	85 F	(CV UNOCC COOLING SET POINT)
CVHTGOCC-SP	68 F	(CV OCC HEATING SET POINT)
CVHTGUNOCC-SP	60 F	(CV UNOCC COOLING SET POINT)
SAT	60.7 F	(UCB SAT THERMISTOR INPUT)
DCTPRS	1.50"/w	(VAV UCB DuctPress 0-5VDC INPUT)

MENU	▼Details	
SUB MENU	☞▼Setpoints☞	
OPRVAVCLG-SP	55 F	(VAV COOLING SAT SETPT IN USE)
VAVOPRHTG-SP	68 F	(VAV HEATING SETPT IN USE)
DCTPRS-SP	1.50"/W	(VAV SUPPLYDUCTPRESS SETPOINT)
SATUP-SP	60 Fc	(VAV OCC UPPRCOOLING SAT SETPT)
SATLO-SP	55 F	(VAV OCC LOWR COOLING SAT SETPT)
SATRST-SP	72 F	(VAV OCC COOL SAT RESET SETPT)
VAVHTGOCC-SP	85 F	(VAV OCC HEATING SETPOINT)
HTGOCC-EN	YES	(VAV OCC HEATING ENABLED)
VAVHTGOCC-SP	68 F	(VAV OCC HEATING SETPOINT)
HTGUNOCC-EN	NO	(VAV UNOCC HEATING ENABLED)
VAVHTGUNOCC-SP	60 F	(VAV UNOCC HTG SETPOINT)

MENU	▼Details	
SUB MENU	☞▼Zone	
SUB MENU	☞Indoor☞	
OPR ST	73.0 F	(SPACE TEMPERATURE IN USE)
OPROCC	UNOCCUPIED	(OCCUPANCY STATUS)
OPRIAQ	477PPM	(IAQ IN USE)
OPR SH	49.6 %H	(SPACE HUMIDITY IN USE)
OPRFANREQ	ON	(ID BLOWER OPERATION REQUEST)
OPRSSO	.0 F	(SPACE SETPT OFFSET IN USE)
SSO	.0 F	(UCB SSO 0-20,000 Ω INPUT)
SSORANGE	3.0 F	(MAX SPACE SETPTOOFFSET ADJ)
STSRC	RETURN AIR TEM	(SPACETEMPUSEDSOURCE)
STALARMOFFSET	5 F	(SPACETEMPALARMOFFSET)
STALARMDELAY	60MIN	(SPACETEMPALARMDELAY)
OCCSRC	LOCAL INPUT	(OCCUNOCC STATUS SOURCE)
TEMPOCCTIMEOUT	120MIN	(MAX TEMP OCC)
OCCMODE	EXTERNAL	(OCC INITIATIONMETHOD)
IAQSRC	LOCAL INPUT	(IAQ INPUT SOURCE)
SH SOURCE	LOCAL INPUT	(SPACEHUMIDINPTSOURCE)
FANREQSRC	LOCAL INPUT	(ID BLOWERINPUTSOURCE)
SSO SRC	LOCAL INPUT	(SSO INPUT SOURCE)
OFFDURUNOCC	YES	(OFF DURING UNOCCUPIED)
USEOCCSCHED	YES	(USE OCCUPANCY SCHEDULE)
TEMPOCC	DISABLE	(TEMPORARY OCCUPANCY INPUT)

MENU	▼Details	
SUB MENU	☞▼Zone	
SUB MENU	☞▼Outdoor☞	
OPR OAT	73.0 F	(OUTDOORAIRTEMP IN USE)
OPROAH	19%H	(OUTDOORAIRHUMIDITY IN USE)
OA-ENTH	20 B/#	(CALCULATED ENTHALPY)
OPROAQ	990PPM	(OUTDOORAIRQUALITY IN USE)
OATSRC	LOCAL INPUT	(OUTDOORAIRTEMP SOURCE)
OAHSRC	LOCAL INPUT	(OA HUMIDITY SOURCE)
OAQSRC	LOCAL INPUT	(OUTDOORAIRQUALITY SOURCE)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞Indoor Fan	
SUB MENU	☞Status☞	
FAN	OFF	(FAN 24VAC OUTPUT STATUS)
FAN VFD	0%	(VFD 2-10VDC OUTPUT STATUS)
FANCTL-TYPE	SINGLE SPEED	(UNITOPMODE)
APS	OFF	(APS INPUT STATUS)
DCTPRS	1.50"/W	(DUCTPRES 0-5VDC INPUT)
SAT	60.7 F	(UCB SAT THERMISTOR INPUT)
FANOVERLOAD	NORMAL	(FANOVRINPTSTATUS)
FANVFDFLT	NORMAL	(FLT24VACINPTSTATUS)
FAN-RT	.0 HR	(ACCUMULATED FAN RUNTIME)
DFS	NORMAL	(DFS 24VAC INPUT STATUS)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞Indoor Fan	
SUB MENU	☞▼Setup☞	
LOWAMBFANPRE-RUNCOOL	60SEC	
FANONDLYCOOL	0SEC	(COOLFANONDELAY)
FANOFFDLYCOOL	30SEC	(COOLFANOFFDELAY)
FANONDLYHEAT	30SEC	(HEATFANONDELAY)
FANOFFDLYHEAT	60SEC	(HEATFANOFFDELAY)
DCTPRS-SP	1.50"/W	(DUCTPRES SETPOINT)
DCTSHUTDOWNSP	4.50"/W	(DUCTPRESSLIMIT)
FANON OCC	YES	(OCCUPIEDCONSTANTFAN)
FANOFFSTARTHEAT	YES	(FANOFF ATHEATSTART)
FAN ONLY-% CMD	50%	(CV IS FAN ONLY)
1CLGSTG-% CMD	70%	(CV IS 1 STG COOL)
2CLGSTG-% CMD	80%	(CV IS 2 STG COOL)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞Indoor Fan	
SUB MENU	☞▼Setup☞	
3ClgStg-% Cmd	90%	(CV IS 3 Stg Cool)
4ClgStg-% Cmd	100%	(CV IS 4 Stg Cool)
1HtgStg-% Cmd	100%	(CV IS 1 Stg Heat)
2HtgStg-% Cmd	100%	(CV IS 2 Stg Heat)
3HtgStg-% Cmd	100%	(CV IS 3 Stg Heat)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Clg	
SUB MENU	☞Status☞	
Clg-S	OFF-IDLE	(Cooling Status)
#ClgStgs	2	(# of cooling stages)
SAT	60.7 F	(SAT thermistor input)
StgClgCmd	0%	(Staged Cooling Command)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Clg	
SUB MENU	☞▼Stage1☞	
C1-S	OFF - IDLE	(Compressor Stage Status)
C1	OFF	(C1 24vacOutputStatus)
C1-En	YES	(C1 24vacOutputEnabled)
C1OnTmr	0 MIN	(C1MinRuntimeRemain)
C1ASCDTmr	0 MIN	(C1 ASC TimeRemain)
C1RunTim	. 0 HR	(C1 outptAccumRuntime)
EC1	42 F	(EC1 thermistor input)
CC1	96 F	(CC1 thermistor input)
SLP-1		(Suction Pressure 1)
LLP-1		(Liquid Pressure 1)
SLT-1		(Suction Temperature 1)
LLT-1		(Liquid Temperature 1)
C1-EI		(Efficiency Index 1)
C1-CI		(Capacity Index 1)
C1-CondTempOvrAmb		(Condensing Temp over Ambient 1)
C1-EvapTempValue		(Evap Temp Value Circuit 1)

Legend

DEFAULT SETTINGS IN RED	BLUE = UCB CONDITIONAL PARAMETER
TAN = ECONOMIZER BOARD PRESENCE	DKGREEN = ECONOMIZER BOARD PRESENCE + ANOTHER CONDITION

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Clg	
SUB MENU	☞▼Stage 2☞	
C2-S	OFF - IDLE	(Compressor Stage Status)
C2	OFF	(C2 24vac output status)
C2-En	YES	(C2 24vac output enabled)
C2OnTmr	0 MIN	(C2 minRuntimeRemain)
C2ASCDTmr	0 MIN	(C2ASC timeRemain)
C2RunTim	.0 HR	(C2OutptAccumRuntime)
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)
C2-EI		(Efficiency Index 2)
C2-CI		(Capacity Index 2)
C2-CondTempOvrAmb		(Condensing Temp over Ambient 2)
C2-EvapTempValue		(Evap Temp Value Circuit 2)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Clg	
SUB MENU	☞▼Stage 3☞	
C3-S	OFF - IDLE	(Compressor Stage Status)
C3	OFF	(C3 24vacOutputStatus)
C3-En	YES	(C3 24vacOutputEnabled)
C3OnTmr	0 MIN	(C3MinRuntimeRemain)
C3ASCDTmr	0 MIN	(C3 ASC TimeRemain)
C3RunTim	.0 HR	(C3 outptAccumRuntime)
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)
C3-EI		(Efficiency Index 3)
C3-CI		(Capacity Index 3)
C3-CondTempOvrAmb		(Condensing Temp over Ambient 3)
C3-EvapTempValue		(Evap Temp Value Circuit 3)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Clg	
SUB MENU	☞▼Stage 4☞	
C4-S	OFF - IDLE	(COMPRESSOR STAGE STATUS)
C4	OFF	(C4 24VACOUTPUTSTATUS)
C4-EN	YES	(C4 24VACOUTPUTENABLED)
C4ONTMR	0 MIN	(C4MINRUNTIMEREMAIN)
C4ASCDTMR	0 MIN	(C4 ASC TIMEREMAIN)
C4RUNTIM	.0 HR	(C4 OUTPTACCUMRUNTIME)
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)
C4-EI		(EFFICIENCY INDEX 4)
C4-CI		(CAPACITY INDEX 4)
C4-CONDTEMPOVRAMB		(CONDENSING TEMP OVER AMBIENT 4)
C4-EVAPTEMPVALUE		(EVAP TEMP VALUE CIRCUIT 4)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Clg	
SUB MENU	☞▼Setup☞	
CLG-EN	YES	(COOLING ENABLED/DISABLED)
MINRTCOOLSTG	3MIN	(MINCOMPRUNTIME)
LEADLAG-EN	No	(EQUALCOMPRUNTIME)
LOWAMBFANPRERUNCOOL	60 SEC	
CLGOATCUTOUT-EN	YES	(LOWAMBCOMP LO)
CLGOATCUTOUT	45 F	(LOAMBCOMPLO STPT)
CLGADAPTUNEN	YES	(COOLING ADAPTIVE TUNING ENABLE)
SATCOOLLIMIT-EN	YES	(ENABLE SAT LIMIT)
SATCOOLLIMIT-SP	50 F	(SAT LIMIT SETPT)
ECONLOAD-EN	No	(ECONLOADINGENABLED)
ALLCLGOFF-ECON	No	(SUPLMNTECONOENABLE)
LOWAMB-EN	No	(LOW AMBIENT ENABLED)
LOWAMBI0ON5OFFSP	45 F	(LOAMBOPSETPT)
TEMPHUMCTRL-EN	No	(CNTRLOPERENABLE)
TEMPHUM-SP	50%H	(*EFFECTSOPRCLG-SP)
MAXTEMPHUMSPOFF	3.0 F	

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Clg	
SUB MENU	☞▼Setup☞	
TEMPHUMVALPERDEGOFF	5%H	
MORNC-EN	No	(MORNING COOLDOWN ENABLED)
MORNCRAT-SP	74F	(MORNING COOLDOWN SP)
CLGMANUALTUNE		(COOLING MANUAL TUNING)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Htg	
SUB MENU	☞Status☞	
HTG-S	OFF-IDLE	(HEATING STATUS)
HTG-TYPE	STAGED	(HEATINGCONTROLMETHOD)
#HTGSTGS	I	(# OF HEATING STAGES)
#GASVLVS	0	(#HTPMPSTGS = 0)
#LIMSWTCHS	I	(#HTPMPSTGS = 0)
HWV	0%	(HYDRONIC HWV % COMMAND)
STGHTGCMD	0%	(STAGED HEATING COMMAND)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Htg	
SUB MENU	☞▼Stage1☞	
HI-S	OFF-IDLE	(HEATING STAGE STATUS)
HI	OFF	(IST STG HEAT OUTPUT STATUS)
HIONTMR	0 MIN	(REMAINMINRUNTIME)
HIASCDTMR	0 MIN	(REMAIN ASCD TIME)
HIRUNTIM	. 0 HR	(ACCUM HI RUNTIME)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Htg	
SUB MENU	☞▼Stage 2☞	
H2-S	OFF-IDLE	(HEATING STAGE STATUS)
H2	OFF	(2ND STG HEATINGOUTPUTSATUS)
H2ONTMR	0 MIN	(REMAIN MIN RUNTIME)
H2ASCDTMR	0 MIN	(REMAIN ASCDTIME)
H2RUNTIM	.0 HR	(ACCUM H2 RUNTIME)

Left column

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Htg	
SUB MENU	☞▼Stage 3☞	
H3-S	OFF-IDLE	(HEATING STAGE STATUS)
H3	OFF	(3RD STG HEATINGOUTPUTSATUS)
H3ONTMR	0 MIN	(REMAIN MIN RUNTIME)
H3ASCDTMR	0 MIN	(REMAIN ASCDTIME)
H3RUNTIM	.0 HR	(ACCUM H3 RUNTIME)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Htg	
SUB MENU	☞▼Setup☞	
HTG-EN	YES	(HEATING OPER ENABLED)
SATHTGLIMIT-EN	YES	(SA HTGLIMITENABLED)
SATHTGLIMIT-SP	135 F	(SA HTGLIMITSETPT)
HTGOATCUTOUT-SP	75 F	(HTGOAT CO SETPT)
HTGADAPTUNEN	YES	(HEATING AUTO TUNE ENABLE)
HYDHISA-SP	120 F	(HYD HI SAT SETPT)
HYDH2SA-SP	150 F	(HYD H2 SAT SETPT)
SATTEMPHYDHT-EN	No	No(HYDHTGSA TEMPER)
SATTEMPHYDHT-SP	40	(HYD HEAT TEMP SP)
HYDREVERSE	No	(MODHT 2-10VDCACTION)
MORNW-EN	No	(VAVMORNWRMUPENABLE)
MORNWRAT-SP	71 F	(MORNWRMUPRA SETPT)
HTGMANUALTUNE		(HEATING MANUAL TUNING)
LL_ENABLE		(LOW LIMIT ENABLE)
LL_UPSAT_SP		(LOW LIMIT UPPER SAT SETPOINT)
LL_LOWSAT_SP		(LOW LIMIT LOWER SAT SETPOINT)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Heat Pmp	
SUB MENU	☞Status☞	
CLG-S	OFF-IDLE	(COOLING STATUS)
HTG-S	OFF-IDLE	(HEATING STATUS)
CI	OFF	(UCB CI 24 VAC OUTPUT STATUS)
C2	OFF	(UCB CI 24 VAC OUTPUT STATUS)
REVVLV	OFF	(REVERSING VALVE)
AUXHTG	OFF	(AUXILIARY HEAT)

Right column

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Heat Pmp	
SUB MENU	☞▼Stage1☞	
CI-S	OFF - IDLE	(COMPRESSOR STAGE STATUS)
CI	OFF	(CI 24VACOUTPUTSTATUS)
CI-EN	YES	(CI 24VACOUTPUTENABLED)
CIONTMR	0 MIN	(CIMINRUNTIMEREMAIN)
CIASCDTMR	0 MIN	(CI ASC TIMEREMAIN)
CIRUNTIM	. 0 HR	(CI OUTPTACCUMRUNTIME)
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)
CI-EI		(EFFICIENCY INDEX I)
CI-CI		(CAPACITY INDEX I)
CI-CONDTEMPOVRAMB		(CONDENSING TEMP OVER AMBIENT I)
CI-EVAPTEMPVALUE		(EVAP TEMP VALUE CIRCUIT I)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Heat Pmp	
SUB MENU	☞▼Stage 2☞	
C2-S	OFF - IDLE	(COMPRESSOR STAGE STATUS)
C2	OFF	(C2 24VAC OUTPUT STATUS)
C2-EN	YES	(C2 24VAC OUTPUT ENABLED)
C2ONTMR	0 MIN	(C2 MINRUNTIMEREMAIN)
C2ASCDTMR	0 MIN	(C2ASC TIMEREMAIN)
C2RUNTIM	.0 HR	(C2OUTPTACCUMRUNTIME)
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)
C2-EI		(EFFICIENCY INDEX 2)
C2-CI		(CAPACITY INDEX 2)
C2-CONDTEMPOVRAMB		(CONDENSING TEMP OVER AMBIENT 2)
C2-EVAPTEMPVALUE		(EVAP TEMP VALUE CIRCUIT 2)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Heat Pmp	
SUB MENU	☞▼Setup☞	
CLG-EN	YES	(COOLING ENABLED/DISABLED)
HTG-EN	YES	(HEATING OPER ENABLED)
MINRTCOOLSTG	3MIN	(MINCOMPRUNTIME)
LEADLAG-EN	No	(EQUALCOMPRUNTIME)
LOWAMBFANPRERUNCOOL	60 SEC	
CLGOATCUTOUT-EN	YES	(LOWAMBCOMP LO)
CLGOATCUTOUT	45 F	(LOAMBCOMPLO STPT)
HTGOATCUTOUT-SP	75 F	(OUTDOOR AIR TEMP HEATING CUTOUT SETPOINT)
SATCOOLLIMIT-EN	YES	(ENABLE SAT LIMIT)
SATCOOLLIMIT-SP	50 F	(SAT LIMIT SETPT)
SATHTGLIMIT-EN	YES	(SA HTGLIMITENABLED)
SATHTGLIMIT-SP	135 F	(SA HTGLIMITSETPT)
CLGADAPTUNEN	YES	(COOLING AUTO TUNE ENABLE)
HTGADAPTUNEN	YES	(HEATING AUTO TUNE ENABLE)
ECONLOAD-EN	No	(ECONLOADINGENABLED)
ALLCLGOFF-ECON	No	(SUPLMNTECONOENABLE)
LOWAMB-EN	No	(LOW AMBIENT ENABLED)
LOWAMBI0ON5OFFSP	45 F	(LOAMBOPSETPT)
TEMPHUMCTRL-EN	No	(CNTRLOPERENABLE)
TEMPHUM-SP	50%H	(*EFFECTSOPRCLG-SP)
MAXTEMPHUMSPOFF	3.0 F	
TEMPHUMVALPERDEGOFF	5%H	

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Econ	
SUB MENU	☞Status☞	
ECON-S	DISABLED	
ECON	0%	(ECON 2-I0VDC OUTPUT STATUS)
ECON-FREE	No	(FREECOOLING AVAILABLE)
FREECLG-MODE	DRY BULB	(CHNGOVERMODE)
MAT	71 F	(MAT THERMISTOR INPUT)
OA-ENTH	20 B/#	(CALCOA ENTHALPYINPUT)
OPROAH	19%H	(OA HUMIDITY IN USE)
OPR OAT	73.0 F	(OA TEMP IN USE)
RA-ENTH	20B/#	(RA ENTHALPY INPUT)
RAH	19.4 %H	(RA HUMIDITY0-I0VDCINPUT)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Econ	
SUB MENU	☞Status☞	
RAT	70.4 F	(UCB RAT THERMISTORINPUT)
SAH	71 %H	(SA HUMIDITY 0-I0VDCINPUT)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼Econ	
SUB MENU	☞▼Setup☞	
ECON-EN	YES	(ECONOFREECOOLINGENABLE)
FREECLG-SEL	AUTO	(FRECLGCHNGOVRMETHOD)
ECON-MINPOS	20%	(OCCECONOMINPOS)
ECONOAT-SPEN	55 F	(DRYBLBCHGOVRSETPT)
ECONOAENTH-SP	27 B/#	(ENTHCNGOVRSETPT)
LOWAMB-SP	0 F	(LOAMBMINPOSSSETPT)
LOWAMB-MINPOS	0%v	(OCCLOAMBMINPOS)
LOWSPEEDFAN-MINPOS	25%	(OCCLOFANPOS)
ECONMECHSTP	OPTION B	(ECON MECH SETUP)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼PowerEx	
SUB MENU	☞Status☞	
EXF-S	OFF	
EXFAN	OFF	(EX-FAN 24VACOUTPUTSTATUS)
EXFANVFD	0%	(EX VFD2-I0VDC OUTPUT)
EXFANVFDFLT	NORMAL	(VFD FLT24VACINPUT)
EXFAN-RT	.0 HR	(24VACOUTPUTACCRUNTIME)
DCTPRS		(DUCT STATIC PRESSURE)
EAD-O	0%	(EXVFD2-I0VDCOUTPTSTATUS)
BLDGPRES	.164"/w	(BLDGPRESS0-5VDCINPUT)
BLDG-SP	100"/w	(EXDMPRBLDGPRESSETPT)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼PowerEx	
SUB MENU	☞▼Setup☞	
EXFTYPE	NONE	(PWREXFANMODESELECTION)
ECONDMPPOSFANON	60%	(FANONPOSITION)
ECONDMPPOSFANOFF	20%	(FANOFFPOSITION)
EXDMPPOSFANON	80%	(FANONPOSITION)

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MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞▼PowerEx	
SUB MENU	☞▼Setup☞	
ExDmpPosFanOff	20%	(FanOffPosition)
ERV-En	No	(Econ&PwrExIntrgrationW/ERV)
ERVUnoccFan-En		(ERV Unoccupied Fan Enabled)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞Dvent☞	
DVent-Mode	Disabled	(DemandVentiMode)
OprIAQ	477ppm	(IAQ 0-10vdcInput in use)
DVentMaxEcon-Pos	50%	(IAQ Econ-MaxPos)
DVentIAQ-Sp	1000ppm	(OcciAQEconOperSetPt)
DVentDiff-Sp	600ppm	(Occ Diff IAQ/OAQ SetPt)
IAQRange	2000ppm	(ppm@10vdcIAQ Output)
OAQRange	2000ppm	(ppm@10vdcOAQ Output)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞AirMonStation☞	
MOAFlow-Sp	10CFM	(Fresh Air Intake Setpoint)
FrAir	7129CFM	(Fresh Air Intake Value)
MOA-Range	10000CFM	(Fresh Air Intake Max Sensor Range)
FrAir-En		(Fresh Air Intake Enable)
Control		(Fresh Air Range)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞HGR☞	
HGR-S	Off-Idle	(HGR Status)
HGR	Off	Hot Gas Reheat
HGRHum-Sp	60degF	(Hot Gas Reheat Humididty Setpoint)
HGRUnoc-cHum-SP	70degF	(HGR Unocc Hum Sp)
HGR-En	No	(Hot Gas Reheat Enabled)
HGRAlt-En	No	(HGR Alternate Enabled)
HGRALtWrite	No	(HGR Alternate Writeable)
HGRUnocc-En	No	(HGR Unocc Enabled)

MENU	▼Details	
SUB MENU	☞▼Control	
SUB MENU	☞SmokeCtrl☞	
OprPurgeCmd	False	(ActivePurgeCmd)
PurgeCmdSrc	RATemp	(PurgeCmdSource)
Purge	False	(Purge Input status)
NetPurge	?Unrel	(PurgeCommandStatus)
SD	Normal	(SD 24 VAC input status)

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞Inputs	
SUB MENU	☞Sensors☞	
ST	60.5 F	(UCB ST ThermisterInput)
SSO	.0 F	(UCB SSO 0-20,000 Ω input)
IAQ	477ppm	(IAQ 0-10 VDC Input)
RAH	49.6 %H	(UCB RAH 0-10vdcInput)
OAT	73.0 F	(UCB OAT ThermistorInput)
OAH	49.6 %H	(OAH 0-10vdc Input)
OAQ	477ppm	(OAQ 0-10vdc Input)
SAT	60.7 F	(UCB SAT ThermistorInput)
RAT	73.0 F	(UCB RAT ThermistorInput)
SAH	49%H	(SAH 0-10 vdcInput)
DctPrs	1.50"/w	(DCT PRS 0-5vdcInput)
BldgPres	.164"/w	(BldgPres 0-5vdc Input)
MAT	71 F	(MAT thermistor input)
Fr Air	7129CFM	(FR AIR 0-10vdc Input)
UCB24VForOutputs	24	
EconDampPos		(AI-IN 0-10vdc Input)

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞Inputs	
SUB MENU	☞▼Coil Sensors☞	
ECI	42 F	(ECI Thermistor Input)
CCI	96 F	(CCI Thermistor Input)
EC2	41 F	(EC2 Thermistor Input)
CC2	117 F	(CC2 Thermistor Input)
EC3	42 F	(EC3 Thermistor Input)
CC3	96 F	(CC3 Thermistor Input)
EC4	41 F	(EC4 Thermistor Input)
CC4	117 F	(CC4 Thermistor Input)

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞Inputs	
SUB MENU	☞▼Thermostat	
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)
TSTstatTAT-ONLY	YES	(T-STAT INPUT ONLY)

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞Inputs	
SUB MENU	☞▼BinaryInputs☞	
LIMIT	NORMAL	(LIMIT 24VAC INPUT STATUS)
LIM2	NORMAL	(LIMIT 24VAC INPUT STATUS)
LIM3	NORMAL	(LIMIT 24VAC INPUT STATUS)
MV	No	(MV PIN 24VAC INPUT STATUS)
GV2	No	(GV2 PIN 24VAC INPUT STATUS)
GV3	No	(GV3,4 PIN 24VAC INPUT STATUS)
HPSI	NORMAL	(HPSI 24VAC INPUT STATUS)
LPSI	NORMAL	(LPSI 24VAC INPUT STATUS)
FSI	NORMAL	(FREEZE PROTECTI STATUS)
HPS2	NORMAL	(HPS2 24VAC INPUT STATUS)
LPS2	NORMAL	(LPS2 24VAC INPUT STATUS)
FS2	NORMAL	(FREEZE PROTECT2 STATUS)
HPS3	NORMAL	(HPS3 34VAC INPUT STATUS)
LPS3	NORMAL	(LPS3 34VAC INPUT STATUS)
FS3	NORMAL	(FREEZE PROTECT3 STATUS)
HPS4	NORMAL	(HPS4 44VAC INPUT STATUS)
LPS4	NORMAL	(LPS4 44VAC INPUT STATUS)
FS4	NORMAL	(FREEZE PROTECT4 STATUS)
FANOVRLOAD	NORMAL	(24VAC INPUT STATUS)
APS	OFF	(AIRPROVING SWITCH INPUT STATUS)
DFS	NORMAL	(DRTYFLTR SWITCH INPUT STATUS)
SD	NORMAL	NORMAL (SMOKE DETECT INPUT STATUS)
PURGE	FALSE	(PURGE 24VAC INPUT STATUS)
ExFANVFDFLT	NORMAL	(24VAC INPUT STATUS)

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞Inputs	
SUB MENU	☞▼BinaryInputs☞	
FANVFDFLT	NORMAL	(24VAC INPUT STATUS)
FSHW	NORMAL	( )
OCC	UNOCCUPIED	(24VAC INPUT STATUS)

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞Inputs	
SUB MENU	☞▼Safeties☞	
HPSI-LO	NORMAL	(HIPRESSI SWITCH STATUS)
LPSI-LO	NORMAL	(LOPRESSI SWITCH STATUS)
FSI-LO	NORMAL	(FREEZE PROTECTI STATUS)
HPS2-LO	NORMAL	(HIPRESS2 SWITCH STATUS)
LPS2-LO	NORMAL	(LOPRESS2 SWITCH STATUS)
FS2-LO	NORMAL	(FREEZE PROTECT2 STATUS)
HPS3-LO	NORMAL	(HIPRESS3 SWITCH STATUS)
LPS3-LO	NORMAL	(LOPRESS3 SWITCH STATUS)
FS3-LO	NORMAL	(FREEZE PROTECT3 STATUS)
HPS4-LO	NORMAL	(HIPRESS4 SWITCH STATUS)
LPS4-LO	NORMAL	(LOPRESS4 SWITCH STATUS)
FS4-LO	NORMAL	(FREEZE PROTECT4 STATUS)
LIMITLO	NORMAL	(HEAT LIMIT STATUS)
LIM2LO	NORMAL	(HEAT LIMIT STATUS)
LIM3LO	NORMAL	(HEAT LIMIT STATUS)

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞Inputs	
SUB MENU	☞▼NetworkInputs☞	
NETST	?UNREL	(FC BUS SPACE TEMP)
NETSSO	?UNREL	(FC BUSSPACESETPTOFFSET)
NETSH	?UNREL	(FC BUSSPACEHUMIDITY)
NETOCC	NOT SET	(FC BUSOCCUPNCYSTATUS)
NETTEMPOCC	FALSE	(TEMPOCCCOMMAND)
NETIAQ	?UNREL	(FC BUS IAQ VALUE)
NETFANREQ	?UNREL	(FC BUSFANON REQST)
NETOAT	?UNREL	(FC BUS OA TEMP)
NETOAH	?UNREL	(FC BUS OA HUMIDITY)
NETOAQ	?UNREL	(FC BUS OA QUALITY)
NETPURGE	?UNREL	(FC BUSPURGE COMAND)

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MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞Inputs	
SUB MENU	☞▼NetworkInputs☞	
DIRLOADSHD	YES/No	(DIRECT LOADSHED)
REDLINE	YES/No	(REDLINE)
LOADSHEDENABLE	YES/No	(LOAD SHED ENABLE)
LOADSHEDRATELIM	.066	(LOAD SHED RATE LIMIT)
LOADSHEDADJUST	4.0 F	(LOAD SHED ADJUST)

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞▼Outputs	
SUB MENU	☞Relay☞	
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)
HI	OFF	(IST HEAT 24 VAC OUTPUT)
H2	OFF	(2ND+ HEAT 24 VAC OUTPUT)
H3	OFF	(3RD+ HEAT 24 VAC OUTPUT)
EXFAN	OFF	(EX-FAN 24 VAC OUTPUT)
CN-FAN	OFF	(CN-FAN 24 VAC OUTPUT)
CF2	OFF	(CF2 24 VAC OUTPUT)
FAN	OFF	(FAN 24 VAC OUTPUT)
VAV BOX	OFF	(VAV BOX)
HGR	OFF	(HGR COMMAND)
X-OUT	OFF	(X TERM 24 VAC OUTPUT)

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞▼Outputs	
SUB MENU	☞▼Analog☞	
FANVFD	0%	(VFD 2-I0 VDC OUTPUT)
ECON	0%	(ECON 2-I0 VDC OUTPUT)
EXFANVFD	0%	(EXFAN 2-I0 VDC OUTPUT)
HWV	0%	(HWV VDC OUTPUT)

▼▲◄► Joystick navigation

☞Press Enter 1 time

☞▼Press Enter Scroll Down
Press Cancel to return
to Previous Menu

JOY

ENTER

CANCEL

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞▼Factory☞	
SUB MENU	☞▼Standard☞	
#CLGSTGS	2	(# OF COOLING STAGES)
#HTGSTGS	0	(# OF HEATING STAGES)
#HTPUMPSTGS	0	(# OF HEAT PUMPS)
#REFRIGSYS	0	(#REFRIG CIRCUITS)
HTG-TYPE	STAGED	(HEATING CONTROL METHOD)
FANCTL-TYPE	SINGLE SPEED	(ID BLOWER TYPE)
APSSETUP	NONE	(AIR PROVING SWITCH OPERATION)
HGR-EN	No	(HGR ENABLED)
HGP-INST	No	(HOT GAS BYPASS INSTALLED)
BASCOM	BACNET	(COMM SUB-BOARD PRESENT)
FREEZE-SP	26.0 F	(EVAP FREEZE PROTECT SETPT)
DFSINST		(DIRTY FILTER SWITCH INSTALLED)
FANOFFDLYCOOL		(FAN OFF DELAY FOR COOL)
FANONDLYCOOL	0SEC	(COOLFANONDELAY)
FANOFFDLYHEAT	60SEC	(HEATFANOFFDELAY)
FANONDLYHEAT	30SEC	(HEATFANONDELAY)
LOWAMB-EN	No	(LOW AMBIENT ENABLED)
LOWAMBFANPRE-RUNCOOL		(LOW AMBIENT FAN PRERUN TIME)
LOWAMBI0ON5OFFSP	45F	(LOAMBOPSETPT)
LEADLAG-EN	No	(EQUALCOMPRUNTIME)
TSTAT-ONLY	YES	(T-STAT INPUT ONLY)
CLGOATCUTOUT	45 F	(LOAMBCOMPLO STPT)

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞▼Factory☞	
SUB MENU	☞▼FDD☞	
UNITTYPE		
EER		
SUBCOOLGOAL		
REFRIGTYPE		
HISIDEPORTLOC		
EVAPCOIL-TYPE		
CONDCOIL-TYPE		

MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞▼Factory☞	
SUB MENU	☞▼FDD☞	
INMETERDEV-TYPE		
OUTMETERDEV-TYPE		
UNITCAP		
FANPOWER		
SUPERHEATGOAL		
ALTITUDE		
MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞▼Factory☞	
SUB MENU	☞▼Economizer☞	
ECON-MINPOS	20%	(OccEconoMinPos)
LOWSPEED-FAN-MINPOS	25%	(OccLoFanPos)
EXFTYPE	NONE	(Exhaust Fan Mode/Type)
MENU	▼Details	
SUB MENU	☞▼Service	
SUB MENU	☞▼Factory☞	
SUB MENU	☞▼Misc☞	
SZVAVEN	No	(Single Zone VAV Enabled)
CNTRLTYPE	CV	(Rooftop Controller Type)
EQUIPTYPE	RTU	(Rooftop Equipment Type)
PUMPOUT-EN	DISABLED	(Pump Out Enabled)

MENU	▼Self Test☞	
START	(Begins the Self Test Sequence)	
PAUSE	(Causes the sequence to hold any outputs ON for 10 minutes.)	
CANCEL	(Stops the Self Test Sequencer and returns the SEC to normal operation.)	
TESTSTATUS	(Displays current state of the Self Test Sequencer)	
RESET	(Erases the previous Self Test results and prepares the Self Test Sequencer for another test run)	
MENU	▼View Results☞	
FANRESULT	PASS-FAIL	(APS On Early or APS Off)
C1RESULT	PASS-FAIL-WARNING	
C2RESULT	PASS-FAIL-WARNING	
C3RESULT	PASS-FAIL-WARNING	
C4RESULT	PASS-FAIL-WARNING	
H1RESULT	PASS-FAIL-WARNING	
H2RESULT	PASS-FAIL-WARNING	
H3RESULT	PASS-FAIL-WARNING	
ECONRESULT	PASS-FAIL	(Damper)
EXHRESULT	WARNING-PASS	(BSP not dropped)

END OF MENU

Legend
DEFAULT SETTINGS IN RED

YELLOW = FUNCTION NOT ENABLED - DO NOT USE	BLUE = UCB CONDITIONAL PARAMETER
TAN = ECONOMIZER BOARD PRESENCE	DKGREEN = ECONOMIZER BOARD PRESENCE + ANOTHER CONDITION