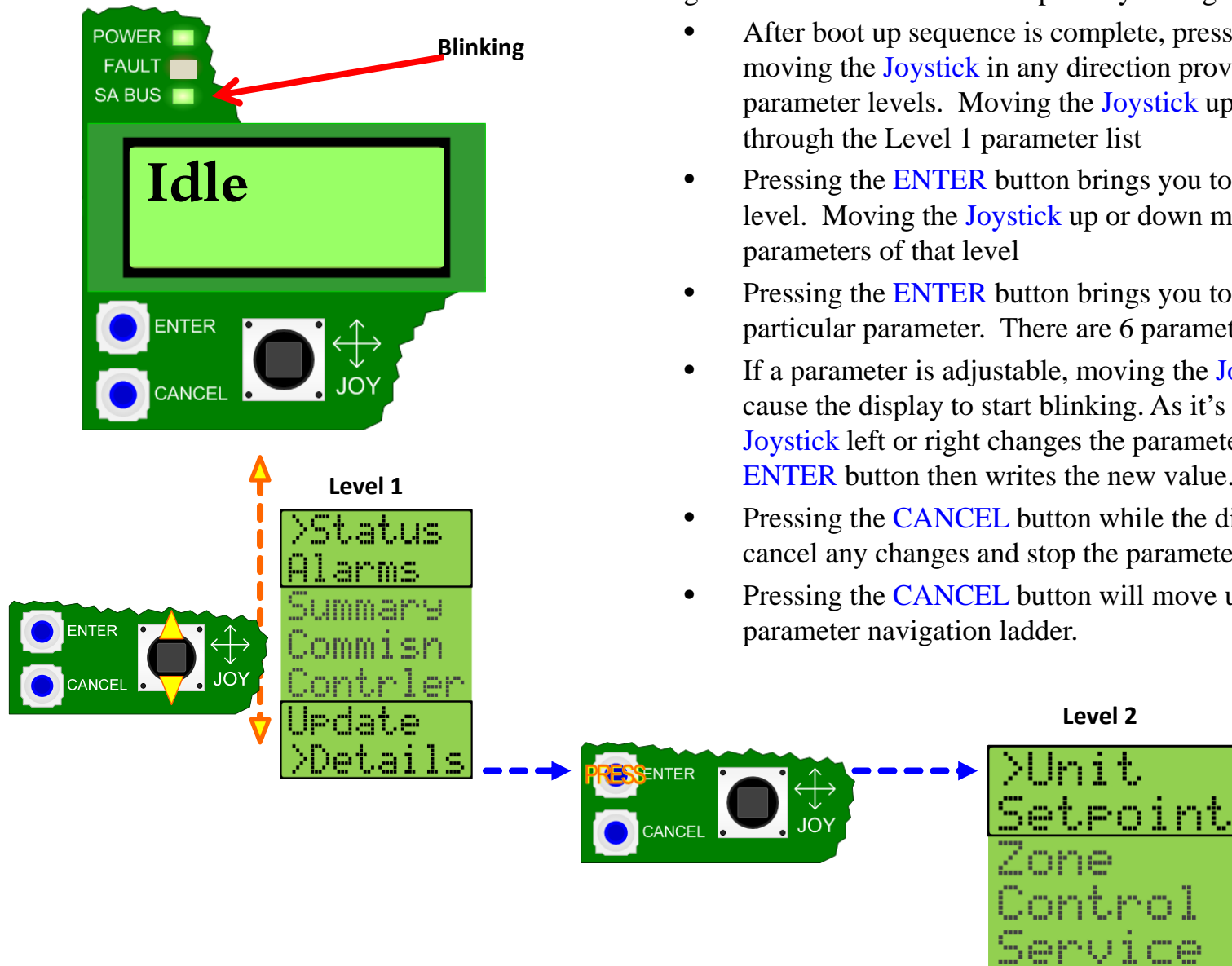


# SE Control

## Quick Start Instructions

**NOTE:** The **ENTER** button, **CANCEL** button and **Joystick** have no effect throughout the boot-up sequence. During boot up the display will count down on the top line and will display Starting Up on the bottom line. The **green** Power LED is ON, the **red** Fault LED is blinking and the green SA Bus LED will blink partway through the sequence.

- After boot up sequence is complete, pressing the **ENTER** button or moving the **Joystick** in any direction provides access to control parameter levels. Moving the **Joystick** up or down moves you through the Level 1 parameter list
- Pressing the **ENTER** button brings you to the next lower parameter level. Moving the **Joystick** up or down moves between individual parameters of that level
- Pressing the **ENTER** button brings you to the next level or to a particular parameter. There are 6 parameter levels.
- If a parameter is adjustable, moving the **Joystick** left or right will cause the display to start blinking. As it's blinking, moving the **Joystick** left or right changes the parameter value. Pressing the **ENTER** button then writes the new value.
- Pressing the **CANCEL** button while the display is blinking will cancel any changes and stop the parameter from blinking.
- Pressing the **CANCEL** button will move up one level on the parameter navigation ladder.



# Quick Start Parameters

The control has a large number of parameters which must be checked and properly set for a specific application or option set. However most units will be installed as stand alone (with or without an economizer) and it will be controlled with standard thermostat inputs (meaning no BAS, space sensor or Net Sensors).

**The following parameters should be checked and set for all stand alone units:**

**Note: “→” = Enter Button**

- | LEVEL 1 | LEVEL 2   | LEVEL 3  | LEVEL 4 | PARAMETER   |
|---------|-----------|----------|---------|---|
| •       | →Details- | →Control | →Clg    | →Setup→ClgOATCutout - Cooling outdoor temperature low limit.*       |
| •       | →Details- | →Control | →Clg    | →Setup→SATCoolLimit-Sp - Cooling supply air low temperature limit*  |
| •       | →Details- | →Control | →Htg    | →Setup→SATHtgLimit-Sp – Heating supply air high temperature limit*  |
| •       | →Details- | →Control | →Htg    | →Setup→HtgOATCutout-Sp – Heating Outside air high temperature limit |
| •       | →Details- | →Control | →Econ   | →Setup→Econ-MinPos – Economizer minimum position setpoint*          |
| •       | →Details- | →Control | →Econ   | →Setup→EconOAEnth-Sp – Enthalpy setpoint for economizer operation   |

\* If not desired these functions can be disabled by changing the enable parameter from YES to NO. For instance if you don't want the compressors to shut off below a preset outdoor temperature then set the following parameter to NO: **ClgOATCutout-En**. The enable parameter can be found directly above the adjustable parameter.

| Level 1 | Level 2    | Level 3    | Level 4 |  | Level 5 | Level 6 |   |                                      |
|---------|------------|------------|---------|--|---------|---------|---|--------------------------------------|
|         |            | default    | default |  | default | default | parameter description and comments  | parameter long name                  |
| Status  | DVent-Mode | DVent-Mode |         |  |         |         | Demand Ventilation mode selection; Disabled permits no demand ventilation function, Controlled by IAQ requires IAQ input, Diff between IAQ and OAQ requires IAQ and OAQ inputs                      | Demand Ventilation Mode of Operation |
|         | OprST      | OprST      |         |  |         |         | the buffered space temperature in use; may be from UCB RAT thermistor or ST thermistor input, SA BUS NetSensor or FC BUS communicated value sources   | Operational Space Temperature        |
|         | SAT        | SAT        |         |  |         |         | the buffered UCB SAT thermistor input   | Supply Air Temperature               |
|         | RAT        | RAT        |         |  |         |         | the buffered UCB RAT thermistor input   | Return Air Temperature               |
|         | OprSH      | OprSH      |         |  |         |         | the buffered space humidity in use; may be from UCB RAH 0-10 VDC input, SA BUS NetSensor or FC BUS communicated value sources; ?Unrel indicates RAH input was once detected and is currently lost   | Operational Space Humidity           |
|         | RAH        | RAH        |         |  |         |         | the buffered UCB RAH 0-10 VDC input; ?Unrel indicates UCB RAH 0-10 VDC input was once detected and is currently lost  | Space Humidity RAH Input             |
|         | OprOAT     | OprOAT     |         |  |         |         | the buffered outdoor air temperature in use; may be from UCB OAT thermistor input or FC BUS communicated value sources  | Operational Outdoor Air Temperature  |
|         | OprOAH     | OprOAH     |         |  |         |         | the buffered outdoor air humidity in use; may be from economizer board OAH 0-10 VDC input or FC BUS communicated value sources; ?Unrel indicates OAH input is currently not present                 | Operational Outdoor Air Humidity     |
|         | OprOAQ     | OprOAQ     |         |  |         |         | the buffered outdoor air quality in use; may be from economizer board OAQ 0-10 VDC input or FC BUS communicated value sources; ?Unrel indicates OAQ input is currently not present                  | Operational Outdoor Air Quality      |
|         | OprIAQ     | OprIAQ     |         |  |         |         | the buffered indoor air quality in use; may be from economizer board IAQ 0-10 VDC input, SA BUS NetSensor or FC BUS communicated value sources; ?Unrel indicates IAQ input is currently not present | Operational Indoor Air Quality       |
| Alarms  | No Events  |            |         |  |         |         | no notification in the active alarm register  |                                      |

| Level 1 | Level 2 | Level 3    | Level 4 | Level 5             | Level 6             |  |  |
|---------|---------|------------|---------|---------------------|---------------------|--|--|
|         |         | default    | default | default             | default             | parameter description and comments   | parameter long name                                  |
| Details | Control | Indoor Fan | Status  | Fan                 | Fan                 | UCB FAN 24 VAC output status   | Fan Command  |
|         |         |            |         | FanCtl-Type         | FanCtl-Type         | indoor blower and unit operating mode selection; Single Speed = CV unit w/o indoor blower VFD, (Two Speed = CV unit w/2-step indoor blower VFD speed control), Fixed Variable = CV unit w/IntelliSpeed indoor blower VFD speed control, Variable Speed = VAV unit w/supply duct static/indoor blower VFD speed control | Fan Control Type                                     |
|         |         |            |         | APS                 | APS                 | UCB APS 24 VAC input status; Off indicates 0 VAC input to the APS pin, On indicates 24 VAC input to the APS pin  | Air Proving Switch                                   |
|         |         |            |         | DctPrs              | DctPrs              | effective for VAV units; the buffered UCB DCT PRS 0-5 VDC input  | Duct Static Pressure                                 |
|         |         |            |         | SAT                 | SAT                 | the buffered UCB SAT thermistor input  | Supply Air Temperature                               |
|         |         |            |         | FanOverload         | FanOverload         | UCB FAN OVR 24 VAC input status; Normal indicates 24 VAC input to the FAN OVR pin, Alarm indicates 0 VAC input to the FAN OVR pin  | Fan Overload   |
|         |         |            |         | Fan-RT              | Fan-RT              | accumulated run time of UCB FAN 24 VAC output; resetable in 1/10th adjustment increments; ????? shown on UCB display indicates greater than 999.9 hours of accumulated run time  | Fan Accumulated Runtime                              |
|         |         |            |         | DFS                 | DFS                 | UCB DFS 24 VAC input status; Normal indicates 0 VAC input to the DFS pin, Alarm indicates 24 VAC input to the DFS pin  | Dirty Filter Switch                                  |
| Details | Control | Indoor Fan | Setup   | LowAmbFanPrerunCool | LowAmbFanPrerunCool | the amount of time the indoor blower must operate before compressor operation is permitted when OprOAT is below LowAmb10On5OffSp   | Low Ambient Fan Pre-run Time For Cooling             |
|         |         |            |         | FanOnDlyCool        | FanOnDlyCool        | the amount of time indoor blower operation is delayed following the initiation of cooling operation  | Fan On Delay for Cool                                |
|         |         |            |         | FanOffDlyCool       | FanOffDlyCool       | the amount of time indoor blower operation is maintained following the termination of cooling operation  | Fan Off Delay for Cool                               |
|         |         |            |         | FanOnDlyHeat        | FanOnDlyHeat        | the amount of time indoor blower operation is delayed following 24 VAC input to the UCB MV pin being received; must be set to 0 for unit with electric heat  | Fan On Delay for Heat                                |
|         |         |            |         | FanOffDlyHeat       | FanOffDlyHeat       | the amount of time indoor blower operation is maintained following 24 VAC input to the UCB MV pin being lost   | Fan Off Delay for Heat                               |
|         |         |            |         | FanOn Occ           | FanOn Occ           | effective for CV units; Yes = UCB FAN output is on during occupied status, cycles with heating/cooling operation and fan request during unoccupied status; No = UCB FAN output cycles with heating/cooling operation and fan request   | Continuous Fan Operation in Occupied Mode            |
|         |         |            |         | FanOffStartHeat     | FanOffStartHeat     | Yes interrupts an existing indoor blower operation request from the initiation of a 1st stage heating operation request until the UCB receives 24 VAC input to the MV pin and the FanOnDlyHeat expires, No does not interrupt an existing indoor blower operation request at the initiation of heating operation       | Turn Off Continuous Fan Operation When Starting Heat |

| Level 1 | Level 2 | Level 3 | Level 4 | Level 5   | Level 6   |   |   |
|---------|---------|---------|---------|-----------|-----------|---|---|
|         |         | default | default | default   | default   | parameter description and comments  | parameter long name                     |
| Details | Control | Clg     | Status  | #ClgStgs  | #ClgStgs  | number of compressor cooling stages; 1 or more enables the UCB C1 24 VAC output, 2 or more enables the UCB C2 24 VAC output, (3 or more enables the 4-stage board C3 24 VAC output, 4 enables the 4-stage board C4 24 VAC output) | Number of Cooling Stages Installed      |
|         |         |         |         | SAT       | SAT       | the buffered UCB SAT thermistor input   | Supply Air Temperature                  |
| Details | Control | Clg     | Stage 1 | C1        | C1        | UCB C1 24 VAC output status   | Compressor Stage Command 1              |
|         |         |         |         | C1-En     | C1-En     | Yes permits UCB C1 24 VAC output; independent of #ClgStgs selection, No does not permit UCB C1 24 VAC output  | Compressor Stage 1 Enabled              |
|         |         |         |         | C1OnTmr   | C1OnTmr   | active number of minutes remaining for C1 minimum run timer expiration  | Min On Time Remaining 1                 |
|         |         |         |         | C1ASCDTmr | C1ASCDTmr | active number of minutes remaining for C1 anti-short cycle delay timer expiration   | Anti-Short Cycle Delay Time Remaining 1 |
|         |         |         |         | C1RunTim  | C1RunTim  | accumulated run time of UCB C1 24 VAC output; resetable in 1/10th adjustment increments; ????? shown on UCB display indicates greater than 999.9 hours of accumulated run time  | Compressor Stage Accumulated Runtime 1  |
|         |         |         |         | EC1       | EC1       | the buffered UCB EC1 thermistor input   | Evaporator Coil Temp 1                  |
|         |         |         |         | CC1       | CC1       | the buffered UCB CC1 thermistor input   | Condenser Coil Temp 1                   |
| Details | Control | Clg     | Stage 2 | C2        | C2        | effective for units with 2 or more compressor cooling stages; UCB C2 24 VAC output status   | Compressor Stage Command 2              |
|         |         |         |         | C2-En     | C2-En     | Yes permits UCB C2 24 VAC output; independent of #ClgStgs selection, No does not permit UCB C1 24 VAC output  | Compressor Stage 2 Enabled              |
|         |         |         |         | C2OnTmr   | C2OnTmr   | active number of minutes remaining for C2 minimum run timer expiration  | Min On Time Remaining 2                 |
|         |         |         |         | C2ASCDTmr | C2ASCDTmr | active number of minutes remaining for C2 anti-short cycle delay timer expiration   | Anti-Short Cycle Delay Time Remaining 2 |
|         |         |         |         | C2RunTim  | C2RunTim  | accumulated run time of UCB C2 24 VAC output; resetable in 1/10th adjustment increments; ????? shown on UCB display indicates greater than 999.9 hours of accumulated run time  | Compressor Stage Accumulated Runtime 2  |
|         |         |         |         | EC2       | EC2       | the buffered UCB EC2 thermistor input   | Evaporator Coil Temp 2                  |
|         |         |         |         | CC2       | CC2       | the buffered UCB CC2 thermistor input   | Condenser Coil Temp 2                   |
|         |         |         |         |           |           |   |   |

| Level 1 | Level 2 | Level 3 | Level 4 | Level 5                   | Level 6             |  |   |
|---------|---------|---------|---------|---------------------------|---------------------|--|---|
|         |         | default | default | default                   | default             | parameter description and comments   | parameter long name                             |
| Details | Control | Clg     | Setup   | Clg-En                    | Clg-En              | sets permission to allow UCB C1 and C2, ( 4-stage board C3 and C4) 24 VAC outputs for compressor contactor coils; Yes permits C1, C2 (C3 & C4) output, No does not permit C1, C2 (C3 & C4) output  | Cooling Mode Enabled For Operation              |
|         |         |         |         | MinRtCoolStg              | MinRtCoolStg        | sets the minimum run time for C# outputs; individual C# minimum run time begins when the output is turned on ; unless interrupted by safety shutdown, output is maintained until the individual C# minimum run time expires  | Minimum Runtime for a Cooling Stage             |
|         |         |         |         | LeadLag-En                | LeadLag-En          | effective for 2 or more compressor stages; Yes permits compressor equalized runtime where the C# output with the least C#RunTim operates first, the the C# output with the next least C#RunTim operates second, etc. No operates the C1 output first, the C2 output second, etc. | Lead/Lag Equalize Cooling Stage Runtime Enabled |
|         |         |         |         | LowAmbFanPrerunCool       | LowAmbFanPrerunCool | the amount of time the indoor blower must operate before compressor operation is permitted when OprOAT is below LowAmb10On5OffSp   | Low Ambient Fan Pre-run Time For Cooling        |
|         |         |         |         | ClgOATCutout-En           | ClgOATCutout-En     | Yes does not permit C# output if OprOAT falls below ClgOATCutout, No permits C# output at any OprOAT   | OAT Cooling Cutout Enabled                      |
|         |         |         |         | QSP-----> ClgOATCutout    | ClgOATCutout        | if ClgOATCutout-En = Yes, C# output is not permitted if OprOAT falls below this setpoint   | OAT Cooling Cutout                              |
|         |         |         |         | SATCoolLimit-En           | SATCoolLimit-En     | Yes does not permit C# output if SAT falls below SATCoolLimit-Sp, No permits C# output at any SAT  | SAT Limit for Cooling Enable                    |
|         |         |         |         | QSP-----> SATCoolLimit-Sp | SATCoolLimit-Sp     | if SATCoolLimit-En = Yes, C# output is not permitted if SAT falls below this setpoint  | SAT Limit for Cooling Setpoint                  |
|         |         |         |         | EconLoad-En               | EconLoad-En         | No does not permit economizer loading; effective if SATCoolLimit-En = Yes and OAT is above 60°F, Yes permits increased Econ position when all but one C# output has been cutoff due to SAT below SATCoolLimit-Sp   | Economizer Loading Enabled                      |
|         |         |         |         | AllClgOff-Econ            | AllClgOff-Econ      | No does not permit C# output if Econ-Free = Yes; Yes permits C# output to supplement economizer free cooling operation if SAT is above 55°F with a 1st stage cooling request or if SAT is above 50°F with a 2nd stage cooling request  | All Stages of Cooling Off in Free Cooling       |
|         |         |         |         | LowAmb10On5OffSp          | LowAmb10On5OffSp    | if compressor operation otherwise is permitted, C# output cycled on 10 minutes/off 5 minutes with OprOAT below this setpoint   | Low Ambient Cooling Stages 10 on 5 off Setpoint |

QSP = Quick Start Parameter

| Level 1 | Level 2 | Level 3 | Level 4 | Level 5                   | Level 6         |   |   |
|---------|---------|---------|---------|---------------------------|-----------------|---|---|
|         |         | default | default | default                   | default         | parameter description and comments  | parameter long name                                   |
| Details | Control | Htg     | Status  | Htg-Type                  | Htg-Type        | sets heating control method; Staged permits UCB H1, H2 (& 4-stage board H3) 24 VAC outputs, ( <i>not to be used until provisions are made in later control revisions</i> , Proportional permits 4-stage board MOD HT 2-10 VDC output) | Heating Control Type                                  |
|         |         |         |         | #HtgStgs                  | #HtgStgs        | number of heating stages; 1 or more enables the UCB H1 24 VAC output, 2 or more enables the UCB H2 24 VAC output, (3 enables the 4-stage board H3 24 VAC output)  | Number of Heating Stages Installed                    |
| Details | Control | Htg     | Stage 1 | Empty                     |                 |   |   |
|         |         |         |         | H1                        | H1              | effective for units with 1 or more heating stages; UCB H1 24 VAC output status  | Heat Stage Command 1                                  |
|         |         |         |         | H1OnTmr                   | H1OnTmr         | active number of minutes remaining for H1 minimum run timer expiration  | Heating Stage 1 Min On Time Remaining                 |
|         |         |         |         | H1ASCDTmr                 | H1ASCDTmr       | active number of minutes remaining for H1 anti-short cycle delay timer expiration   | Heating Stage 1 Anti-Short Cycle Delay Time Remaining |
|         |         |         |         | H1RunTim                  | H1RunTim        | accumulated run time of UCB H1 24 VAC output; resetable in 1/10th adjustment increments; ????? shown on UCB display indicates greater than 999.9 hours of accumulated run time  | Heat Stage 1 Accumulated Runtime                      |
| Details | Control | Htg     | Stage 2 | H2                        | H2              | effective for units with 2 or more heating stages; UCB H2 24 VAC output status  | Heat Stage Command 2                                  |
|         |         |         |         | H2OnTmr                   | H2OnTmr         | active number of minutes remaining for H2 minimum run timer expiration  | Heating Stage 2 Min On Time Remaining                 |
|         |         |         |         | H2ASCDTmr                 | H2ASCDTmr       | active number of minutes remaining for H2 anti-short cycle delay timer expiration   | Heating Stage 2 Anti-Short Cycle Delay Time Remaining |
|         |         |         |         | H2RunTim                  | H2RunTim        | accumulated run time of UCB H2 24 VAC output; resetable in 1/10th adjustment increments; ????? shown on UCB display indicates greater than 999.9 hours of accumulated run time  | Heat Stage 2 Accumulated Runtime                      |
| Details | Control | Htg     | Setup   | Htg-En                    | Htg-En          | sets permission to allow UCB H1 and H2, ( 4-stage board H3) 24 VAC outputs for heat stages; Yes permits H1, H2 (& H3) output, No does not permit H1, H2 (& H3) output   | Heating Mode Enabled For Operation                    |
|         |         |         |         | SATHtgLimit-En            | SATHtgLimit-En  | Yes does not permit H# output if SAT rises above SATHtgLimit-Sp, No permits H# output at any SAT  | SAT Air Temp Limit for Heating Enabled                |
|         |         |         |         | QSP-----> SATHtgLimit-Sp  | SATHtgLimit-Sp  | if SATHtgLimit-En = Yes H# output is not permitted if SAT rises above this setpoint   | SAT Air Temp Limit For Heating Setpoint               |
|         |         |         |         | QSP-----> HtgOATCutout-Sp | HtgOATCutout-Sp | H# output (and hydronic heat operation) is not permitted if OprOAT rises above this setpoint  | Outdoor Air Temp Heating Cutout Setpoint              |
|         |         |         |         |                           |                 |   |   |

| Level 1 | Level 2 | Level 3 | Level 4 | Level 5      | Level 6      |   |                                     |
|---------|---------|---------|---------|--------------|--------------|---|-------------------------------------|
|         |         | default | default | default      | default      | parameter description and comments  | parameter long name                 |
| Details | Control | Econ    | Status  | Econ         | Econ         | economizer board ECON 2-10 VDC output status  | Economizer Damper % Command         |
|         |         |         |         | Econ-Free    | Econ-Free    | Yes indicates economizer free cooling is available, No indicates economizer free cooling is not available; indication depends on FreeClg-Mode effective and current outdoor/indoor conditions       | Econ Free Cooling Available         |
|         |         |         |         | FreeClg-Mode | FreeClg-Mode | free cooling changeover method currently effective; indication depends on FreeClg-Sel setting, presence of OAH 0-10 VDC input to the economizer board and presence of RAH 0-10 VDC input to the UCB | Free Cooling Current Mode           |
|         |         |         |         | MAT          | MAT          | the buffered economizer board mat thermistor input; ?Unrel indicates MAT input was once detected and is currently lost  | Mixed Air Temperature               |
|         |         |         | Status  | OA-Enth      | OA-Enth      | enthalpy calculated from OAH 0-10 VDC input to the economizer board and OprOAT; 0B/# indicated if OAH 0-10 VDC input to the economizer board is not present   | Outdoor Air Enthalpy                |
|         |         |         |         | OprOAH       | OprOAH       | the buffered outdoor air humidity in use; may be from economizer board OAH 0-10 VDC input or FC BUS communicated value sources; ?Unrel indicates OAH input is currently not present                 | Operational Outdoor Air Humidity    |
|         |         |         |         | Opr OAT      | Opr OAT      | the buffered outdoor air temperature in use; may be from UCB OAT thermistor input or FC BUS communicated value sources  | Operational Outdoor Air Temperature |
|         |         |         |         | RA-Enth      | RA-Enth      | enthalpy calculated from RAH 0-10 VDC input to the UCB and RAT thermistor input to the UCB; 0B/# indicated if RAH 0-10 VDC input to the UCB is not present  | Return Air Enthalpy                 |
|         |         |         |         | RAH          | RAH          | the buffered UCB RAH 0-10 VDC input; ?Unrel indicates UCB RAH 0-10 VDC input was once detected and is currently lost  | Space Humidity RAH Input            |
|         |         |         |         | RAT          | RAT          | the buffered UCB RAT thermistor input   | Return Air Temperature              |
|         |         |         |         | SAH          | SAH          | the buffered economizer board SAH 0-10 VDC input; ?Unrel indicates SAH input is currently not present   | Supply Air Humidity                 |
|         |         |         |         |              |              |   |                                     |



| Level 1 | Level 2 | Level 3 | Level 4            | Level 5            | Level 6            |  |  |
|---------|---------|---------|--------------------|--------------------|--------------------|--|--|
|         |         | default | default            | default            | default            | parameter description and comments   | parameter long name                              |
| Details | Control | Econ    | QSP-----><br>Setup | Econ-En            | Econ-En            | Yes permits economizer free cooling operation, No does not permit economizer free cooling operation  | Economizer Enabled For Operation                 |
|         |         |         |                    | FreeClg-Sel        | FreeClg-Sel        | sets the desired economizer free cooling changeover method; Auto sets the changeover method based on the presence of economizer board OAH 2-10 VDC input and UCB RAH 2-10 VDC input, Dual Enthalpy requires OAH and RAH inputs to be effective, Single Enthalpy requires OAH input to be effective. Dry Bulb uses only OAT | Free Cooling Selection                           |
|         |         |         |                    | Econ-MinPos        | Econ-MinPos        | economizer minimum position effective with occupied status, indoor blower operation and when OAT is above LowAmb-Sp  | Economizer Minimum Position Setpoint             |
|         |         |         |                    | EconOAT-SpEn       | EconOAT-SpEn       | dry bulb free cooling changeover setpoint; with FreeClg-Mode = Dry Bulb Tempe, economizer free cooling is available when OAT is below this setpoint  | Economizer Outdoor Air Temp Enable Setpoint      |
|         |         |         |                    | EconOAEth-Sp       | EconOAEth-Sp       | single enthalpy free cooling changeover setpoint; with FreeClg-Mode = Single Enthalpy, economizer free cooling is available when OA-Enth is below this setpoint  | Economizer Outdoor Air Enthalpy Setpoint         |
|         |         |         |                    | LowAmb-Sp          | LowAmb-Sp          | with OprOAT below this setting LowAmb-MinPos is the effective economizer minimum position, with OprOAT below this setting Econ-MinPos is the effective economizer minimum position   | Low Ambient Economizer Setpoint                  |
|         |         |         |                    | LowAmb-MinPos      | LowAmb-MinPos      | economizer minimum position effective with occupied status, indoor blower operation and when OAT is below LowAmb-Sp; typically set less than Econ-MinPos   | Low Ambient Economizer Minimum Position          |
|         |         |         |                    | IAQEcon-MaxPos     | IAQEcon-MaxPos     | the maximum economizer actuator position for demand ventilation operation; termed "DVentMaxEconPos" elsewhere  | Maximum IAQ Ventilation Economizer Position      |
|         |         |         |                    | LowSpeedFan-MinPos | LowSpeedFan-MinPos | <i>not to be used until setting access provisions are made in later control revisions</i> , economizer minimum position effective with occupied status and when the VFD speed controlled indoor blower operates at the lowest setting; typically set greater than Econ-MinPos  | Economizer Damper Minimum Position Low Speed Fan |