

Stryker VAV Zio Configuration

OPERATING GUIDE

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ZIO CONFIGURATION SCOPE

This document serves as a technical users guide for an installer who is configuring a Stryker VAV controller via a TR71 or TR75 wall module. Parameters are grouped into logical categories rather than on large list. To access the “Contractor” mode for configuration, press the Up, Down and middle keys simultaneously. During this time the model number and firmware revision of the TR71/75 will be displayed and then you will be prompted to enter a password (default 0000) to enter the Contractor mode. You can then navigate to the desired category of parameters and then begin configuring and viewing information from the device. Each screen below has a brief explanation of the data, and in cases where the data can be changed, the corresponding network variable is shown in brackets. For example, the “MAX FLOW” parameter that is found in the “BALANCE” category is manipulating the MaxMeasFlowAct section of the nciBalanceSetPts structured nci and is noted as [nciBalanceSetPts, MaxMeasFlowAct]. Values within the Contractor mode are only viewable in English (U.S.) units of measure. Temperatures however CAN be shown on the home screen as C or F.

Controller Features **NOT** Supported by Zio Configuration

- Network Functionality
- Accessory Loops
- Custom Sensors
- Local Sensor (UI 1-4) Calibration

VAV Controller Default Configuration

Wall Module = Zio

Center SetPoint Source: Zio

Center SetPoint: Disabled (controller ignores center setpoint value)

Center SetPoint High Limit: 100

Center SetPoint Low Limit: -10

Room Temperature Source = Zio (TR71/75)

Pressure independent flow control

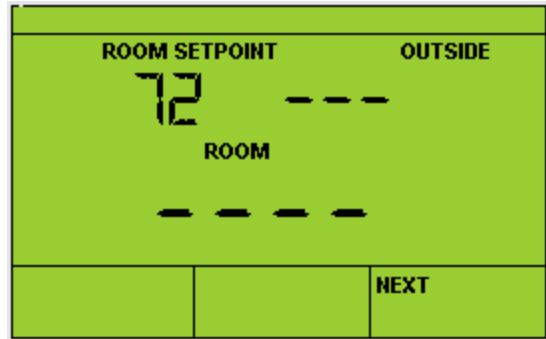
Temperature Control = Cooling Only

Floating Damper Motor:

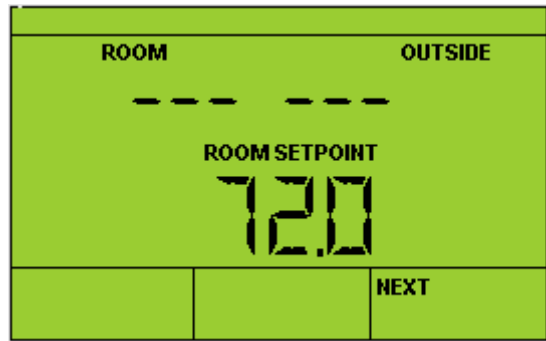
Connected to DO3 & DO4

90 sec travel time

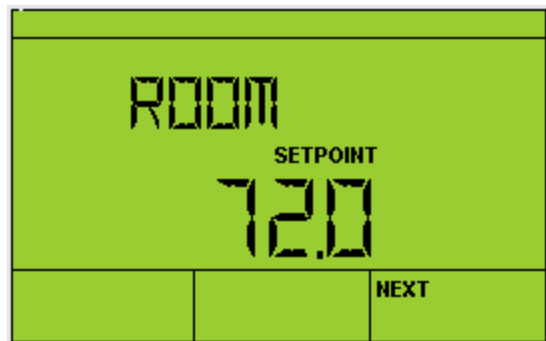
HOME SCREEN OPTIONS



Center SetPoint, Outside Air & Room Temperature (setpoint is adjustable from Home Screen)



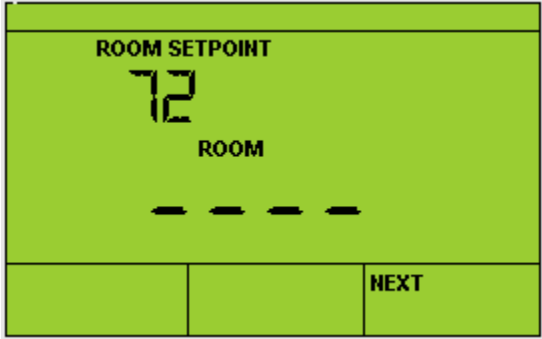
Room, Outside Air Temperature & Center SetPoint (setpoint is adjustable from Home Screen)



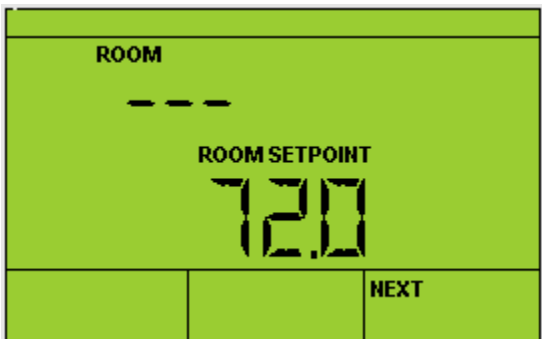
Center SetPoint Temp (setpoint is adjustable from Home Screen)

TENANT VIEW MORE

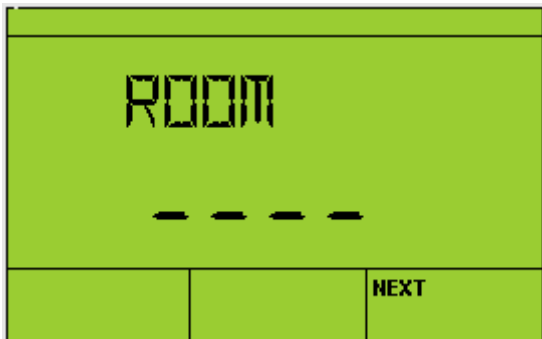
NOTE: To add or remove items from the Tenant View More sequence use Contractor Mode by holding the up, down and center buttons for 5 seconds. During this time the display will show the model, firmware version and Sylk bus address of the TR71/75. Select "SetViewMore" to add or remove items by choosing "YES" or "NO" with the up/down buttons.



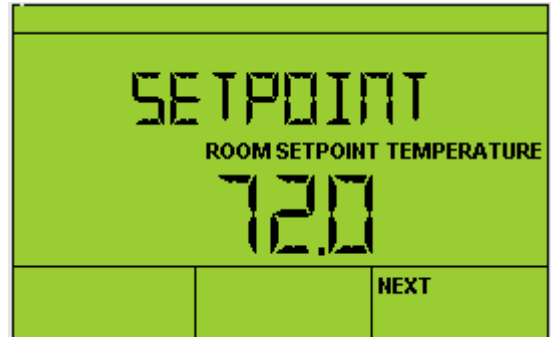
Center SetPoint & Room Temperature (setpoint is adjustable from Home Screen)



Default Home Screen. Room Temperature & Center SetPoint (setpoint is adjustable from Home Screen)



Room Temperature (setpoint is NOT adjustable from Home Screen)



Center Setpoint Temperature

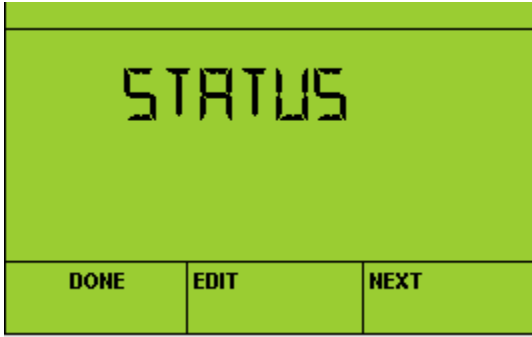
NOTES:

1. The center setpoint can be disabled using Contractor View: WM_CONFIG, CNTR_SP, FALS or true.
2. If CNTR_SP = FALS, the set point can be changed, however the value is ignored.
3. The range can be controlled by WM_CONFIG: CNTSP_HI, & CNTSP_LO
4. To remove the CNTR_SP from the View More screen use Contractor Mode: SetViewMore, SETPOINT = NO

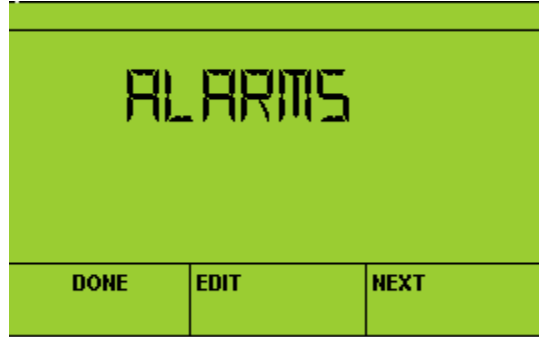
CONTRACTOR VIEW - PARAMETER GROUPS



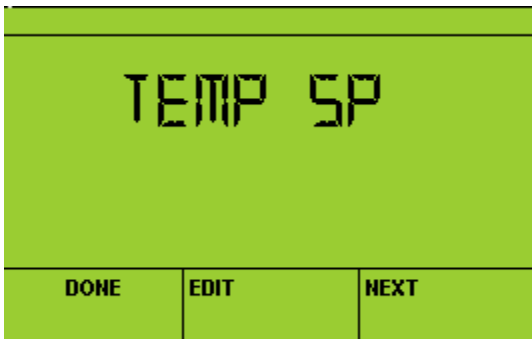
View sensor parameters



View equipment status data



View alarm conditions



Edit Temperature Setpoints



Edit balancing parameters



Set overrides for the controller



Edit Flow Configuration parameters



Edit Flow Setpoints



Damper Config for pressure dependent control



Universal input configuration



Calibration of dP, Zio and C7400S sensors



Configure C7400S sensor



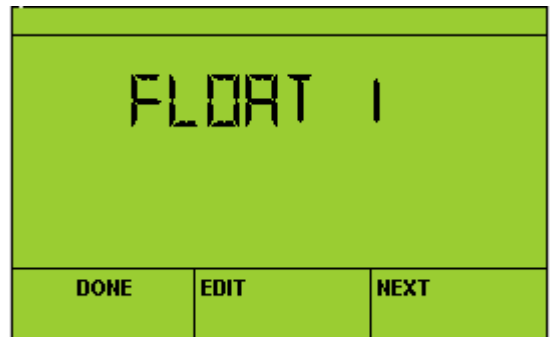
Wall module configuration



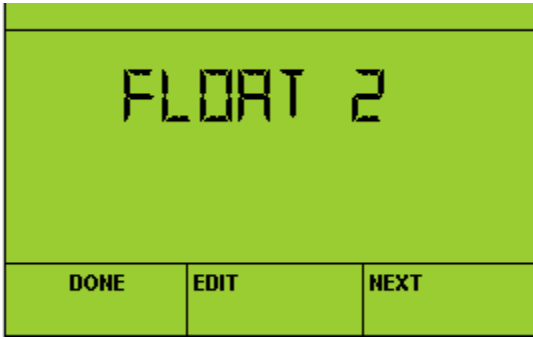
Configure logical inputs



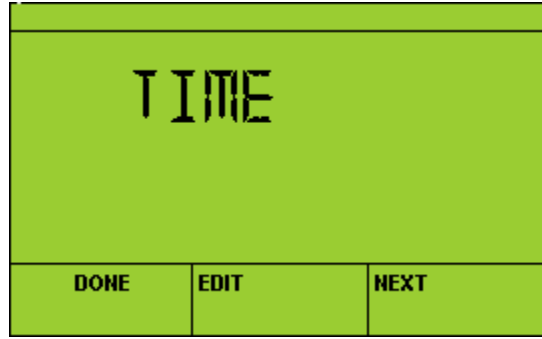
Configuration of control parameters



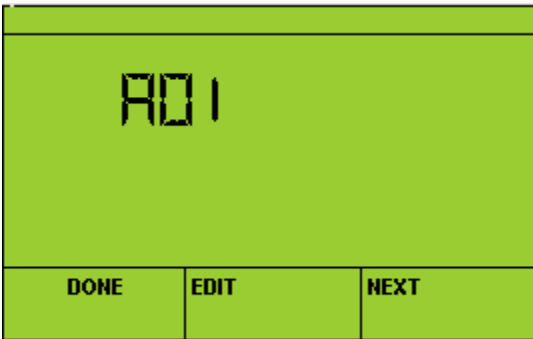
Configure floating output 1



Configure floating output 2



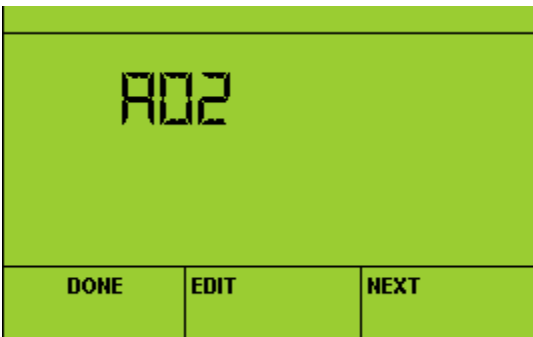
View controller time



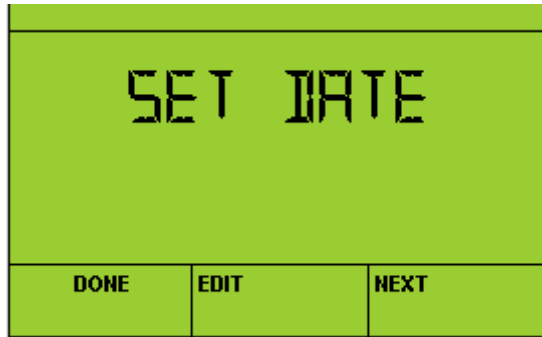
Configure analog output 1



Set controller time



Configure analog output 2



Set controller date

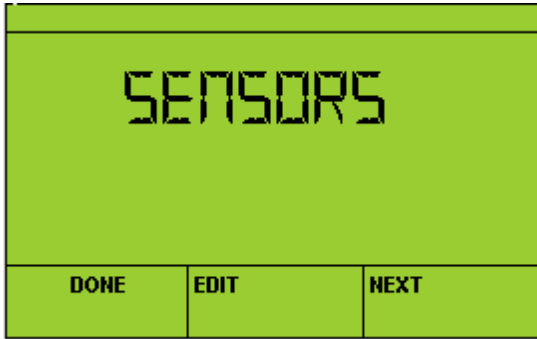


Configure logical outputs

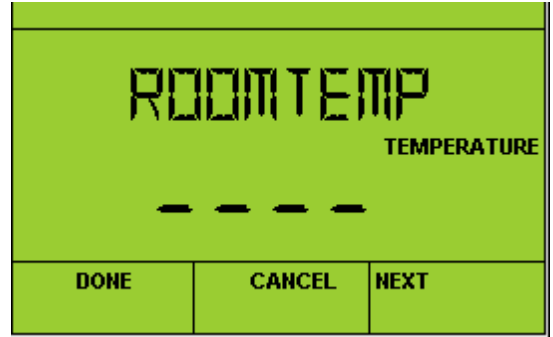


Set controller schedule

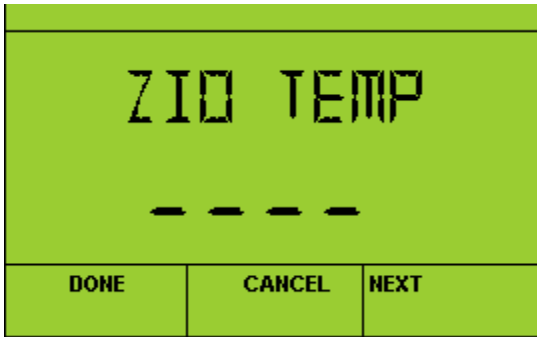
SENSORS



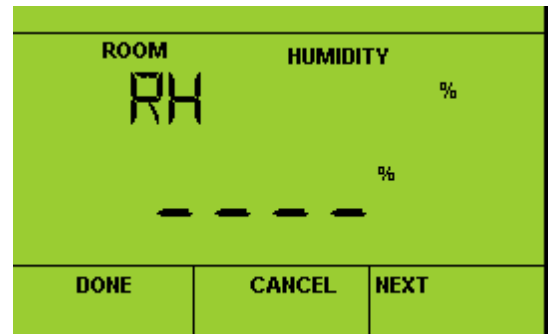
Parameter Group Name



View room temperature



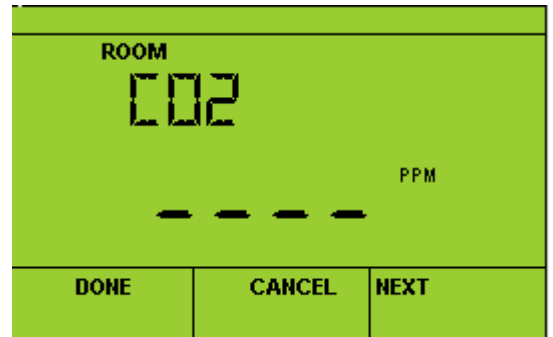
View Zio temperature



View room RH



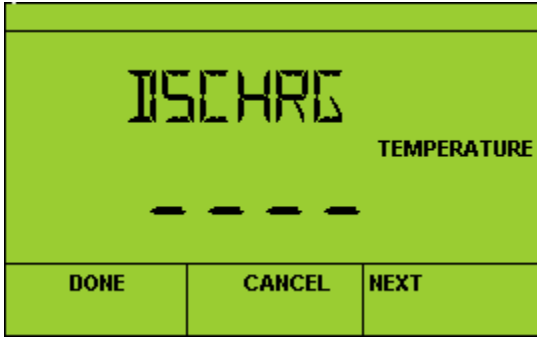
View Zio relative humidity



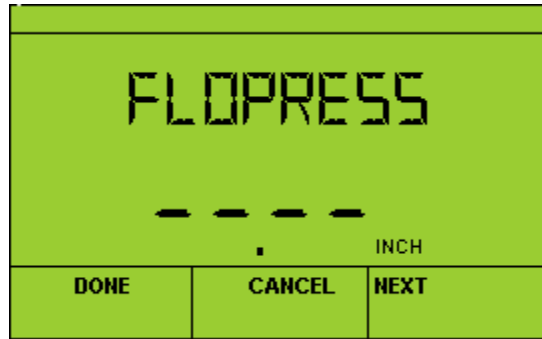
View room CO2



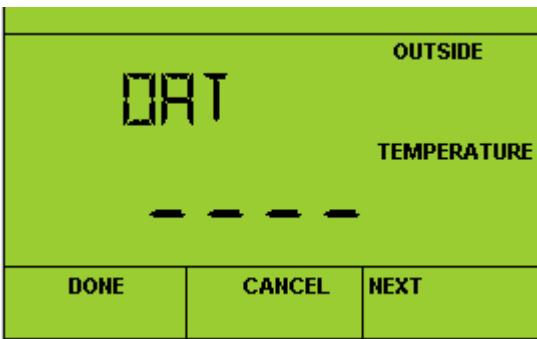
View supply air temperature



View discharge air temperature



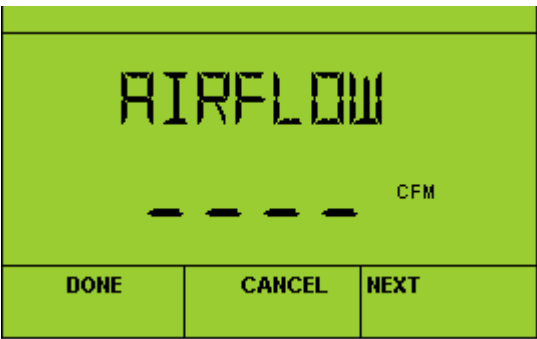
View calibrated pressure (inWC only)



View outdoor air temperature



View Occ Sensor status



View box airflow (cfm only)

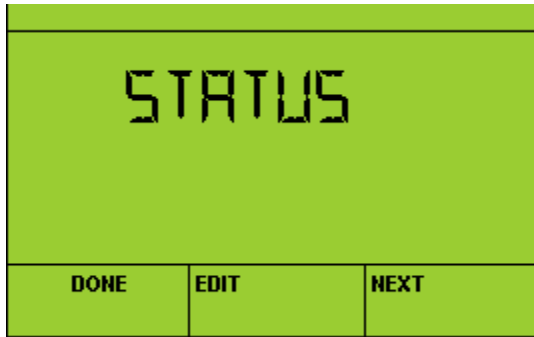


View Window switch

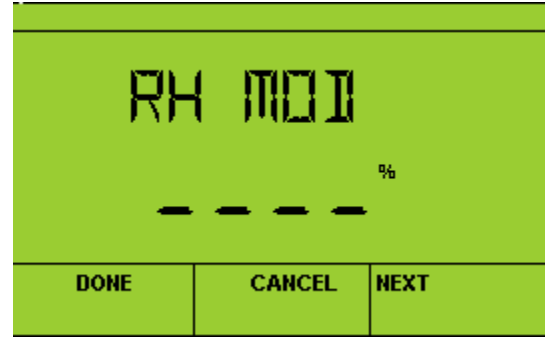


View Flow Pressure un-calibrated in Pascals

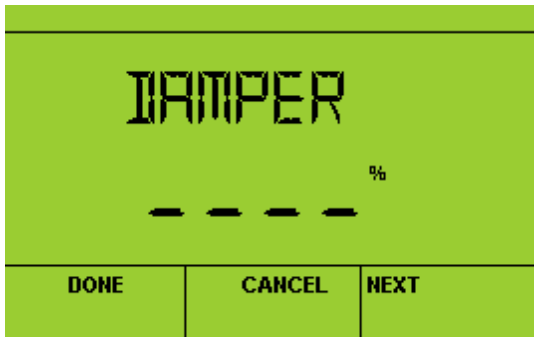
EQUIPMENT STATUS



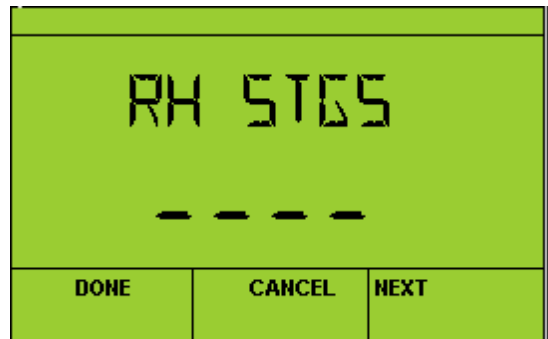
Parameter Group Name



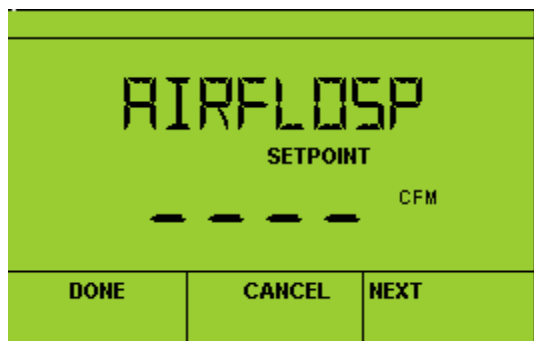
View reheat valve position



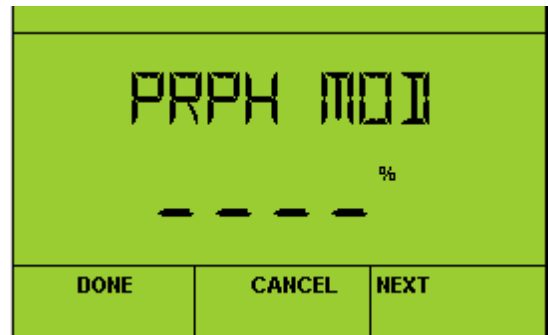
View damper position



View number of reheat stages on



View airflow setpoint

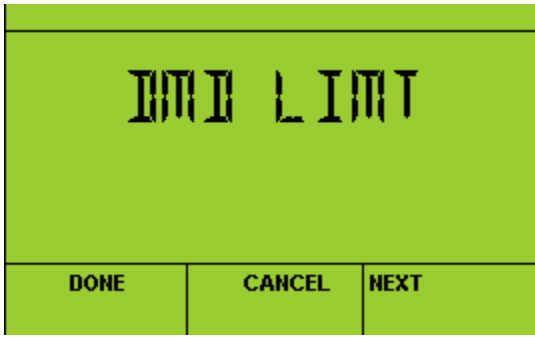


View periph heat valve position

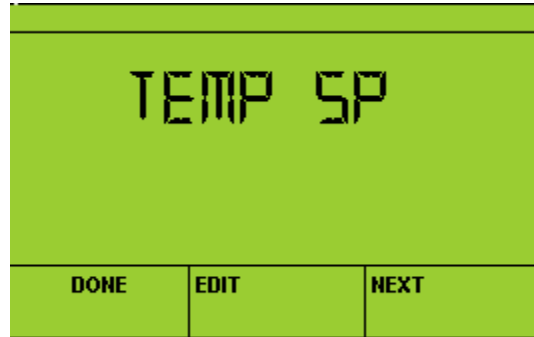


View number of periph stages on

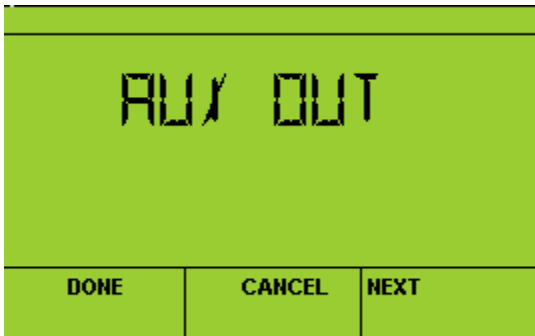
TEMPERATURE SETPOINTS



View demand limit setpoint shift



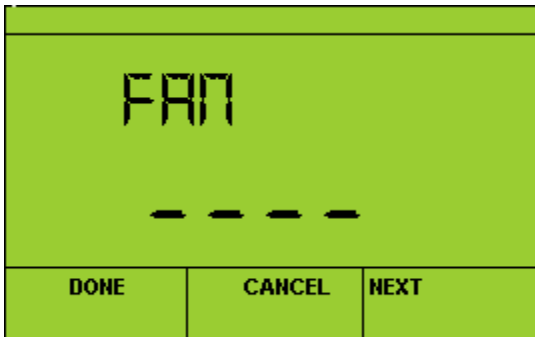
Parameter Group Name



View auxiliary output status



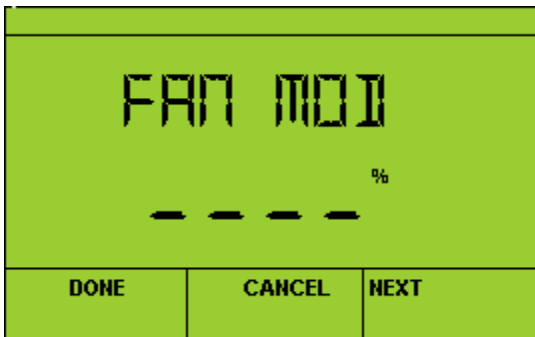
Set occupied cooling setpoint [nciTempSetpoints, occupiedCool]



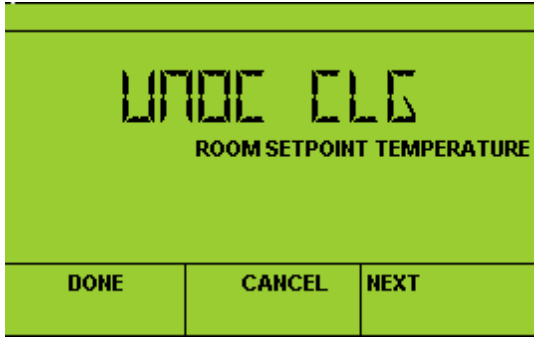
View fan status



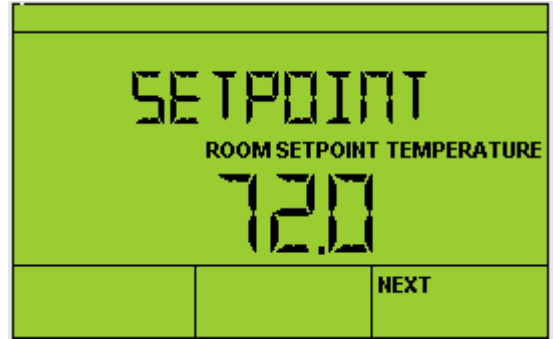
Set occupied heating setpoint [nciTempSetpoints, occupiedHeat]



View modulating fan status

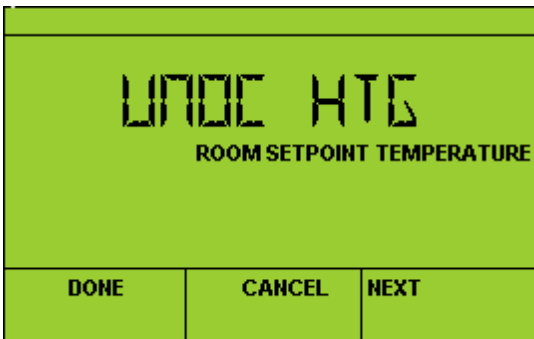


Set unoccupied cooling setpoint [nciTempSetpoints, unoccupiedCool]

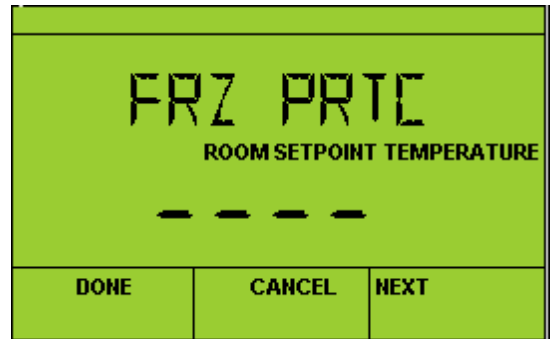


View center or set Setpoint Temperature

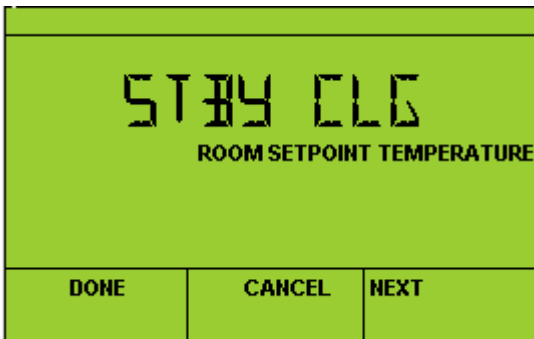
Value range limited by WM_CONFIG: CNTSP_HI, & CNTSP_LO



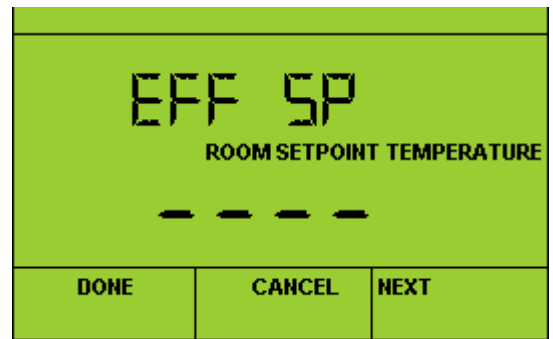
Set unoccupied heating setpoint [nciTempSetpoints, unoccupiedHeat]



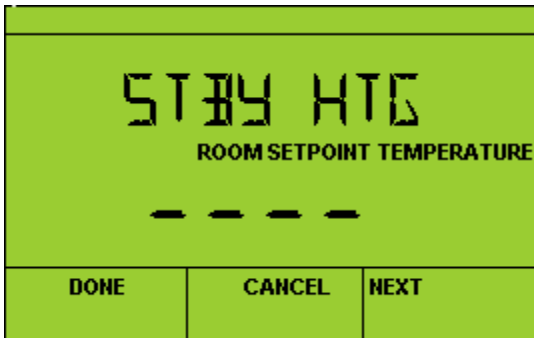
Set freeze protection setpoint (heating setpoints is changed to this value when window sensor is open) [nciSpSpcFrz]



Set standby cooling setpoint [nciTempSetpoints, standbyCool]



View effective setpoint which displays in F or C.

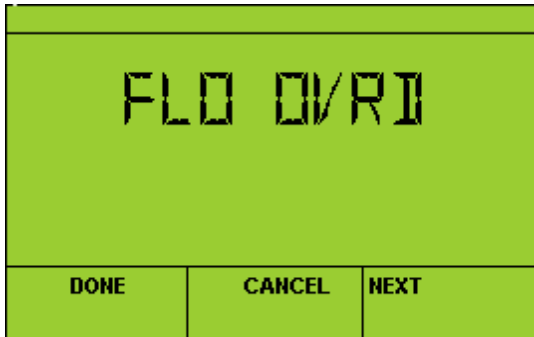


Set standby heating setpoint [nciTempSetpoints, standbyHeat]

OVERRIDE



Parameter Group Name



Set damper open/closed [nviFlowOverride, state]



Set fan On/Off [nviFan, state]



Set modulating Fan Speed [nviFan, value]



Reheat override as a percent number of stages or modulation [nviValveOvr, reheatPos]



Peripheral Heat override as a percent number of stages or modulation [nviValveOvr, periphPos]

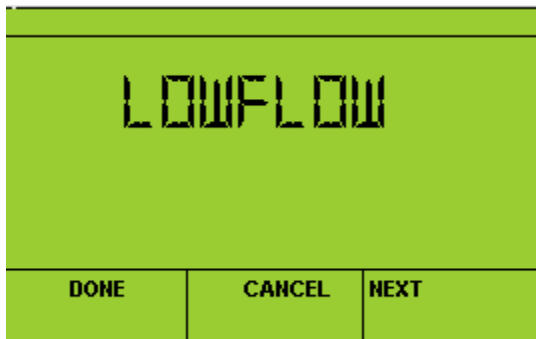
ALARMS



Parameter Group Name



[nvoApAlarm, EmergOvrD]



All alarms have the following views [nvoApAlarm, LowFlow]

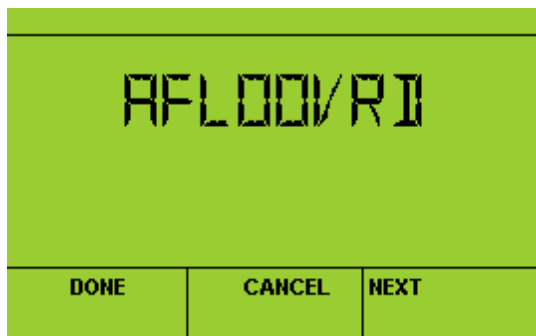


[nvoApAlarm, HtgOvrD]

Display	Description
FALS	False
trUE	True



[nvoApAlarm, FanOvrD]



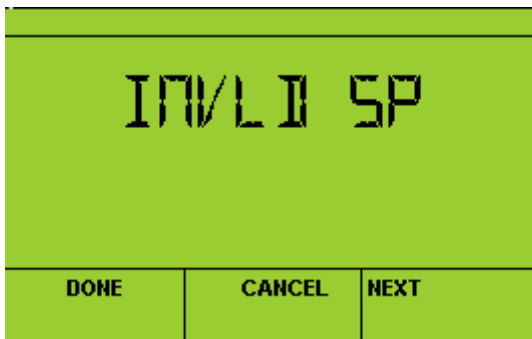
[nvoApAlarm, AirflowOvrD]



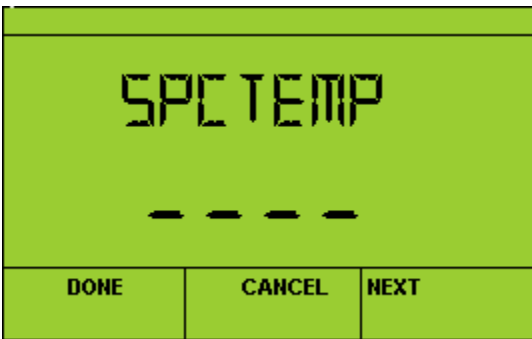
[nvoApAlarm, Frost]



[nvoApAlarm, IAQalm]



[nvoApAlarm, InvalidSP]



[nvoApAlarm, SpcTempAlm]

AIRFLOW BALANCE

K Factor One Point Balance

1. Change the Wall Module to the contractor view
2. Navigate to PARAMETERS, FLO_CNFG, AREASQFT
3. Verify the correct duct Area: AREASQFT

Duct Dia (in.)	2	4	6	8	10	12	14	18	20	22	24
Area (sq ft)	0.02	0.09	0.20	0.35	0.55	0.78	1.07	1.77	2.18	2.64	3.14

4. Obtain the factory zone terminal K factor from the manufacturer data sheet. If the K factor is unknown, use the value 1400.
5. Navigate to PARAMETERS, FLO_CNFG, K
6. Set the factory K factor.
7. Navigate to PARAMETERS, AIRFLOSP, MAX_FLO
8. Verify the value of MAX_FLO setpoint.
9. Navigate to PARAMETERS, BALANCE, K_OFFSET
10. Verify that K_OFFSET = 0.
11. Navigate to PARAMETERS, OVERRIDE, FLO_OVRD.
12. Set VAV box override to the maximum occupied airflow setpoint: FLO_OVRD = HISP
13. Navigate to PARAMETERS, SENSORS, AIRFLOW
14. Monitor AIRFLOW value.
15. After the airflow has settled to a stable value, measure the actual airflow with a calibrated instrument.
16. Navigate to PARAMETERS, SENSORS, FLOPRESS
17. Monitor the flow pressure.
18. Calculate the new K factor: $K_{FactorNew} = \text{AirflowMeasured} / (\text{FLOPRESS})^{1/2}$
19. Calculate the K factor Offset: $K_OFFSET = K_{FactorNew} - \text{factoryKfactor}$
20. Navigate to PARAMETERS, BALANCE, K_OFFSET
21. Set the new K factor Offset value.
22. Navigate to PARAMETERS, OVERRIDE, FLO_OVRD

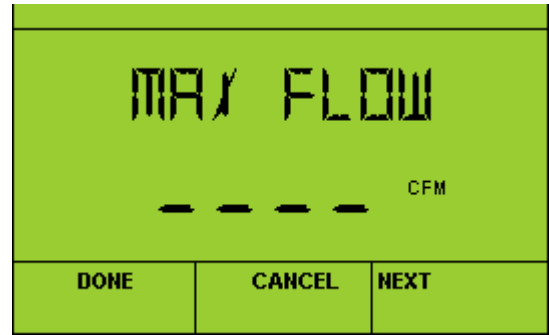
Two Point (Min/Max) Balance

1. Change the Wall Module to the contractor view
2. Navigate to PARAMETERS, FLO_CNFG, AREASQFT
3. Verify the correct duct Area: AREASQFT

Duct Dia (in.)	2	4	6	8	10	12	14	18	20	22	24
Area (sq ft)	0.02	0.09	0.20	0.35	0.55	0.78	1.07	1.77	2.18	2.64	3.14

4. Obtain the factory zone terminal K factor from the manufacturer data sheet. If the K factor is unknown, use the value 1400.
5. Navigate to PARAMETERS, FLO_CNFG, K
6. Set the factory K factor.
7. Navigate to PARAMETERS, AIRFLOSP, MIN_FLO
8. Verify the value of MIN_FLO setpoint.
9. Navigate to PARAMETERS, AIRFLOSP, MAX_FLO
10. Verify the value of MAX_FLO setpoint.
11. Navigate to PARAMETERS, BALANCE, K_OFFSET
12. Verify that K_OFFSET = 0.
13. Navigate to PARAMETERS, OVERRIDE, FLO_OVRD.
14. Set VAV box override to the minimum occupied airflow setpoint: FLO_OVRD = LOSP
15. Navigate to PARAMETERS, SENSORS, AIRFLOW
16. Monitor the AIRFLOW for stability at the minimum setpoint value.
17. Navigate to PARAMETERS, BALANCE, MINFLOSP
18. Set the minimum measured flow setpoint: $\text{MINFLOSP} = \text{Avg}(\text{AIRFLOW})$
19. Measure the actual flow with a calibrated instrument.
20. Navigate to PARAMETERS, BALANCE, MIN_FLOW
21. Set the measured minimum flow calibration value: $\text{MIN_FLOW} = \text{measuredValue}$
22. Navigate to PARAMETERS, OVERRIDE, FLO_OVRD.
23. Set VAV box override to the maximum occupied airflow setpoint: FLO_OVRD = HISP
24. Navigate to PARAMETERS, SENSORS, AIRFLOW

25. Monitor AIRFLOW value for stability at the maximum airflow setpoint value.
26. Navigate to PARAMETERS, BALANCE, MAXFLOSP
27. Set the maximum measured flow setpoint: MAXFLOSP = Avg(AIRFLOW)
28. After the airflow has settled to a stable value, measure the actual airflow with a calibrated instrument.
29. Navigate to PARAMETERS, BALANCE, MAX_FLOW
30. Set the measured minimum flow calibration value: MAX_FLOW = measuredValue
31. Navigate to PARAMETERS, OVERRIDE, FLO_OVRD
32. Return system to normal: FLO_OVRD = ----



Measured maximum airflow [nciBalanceSetPts, MaxMeasFlowAct]



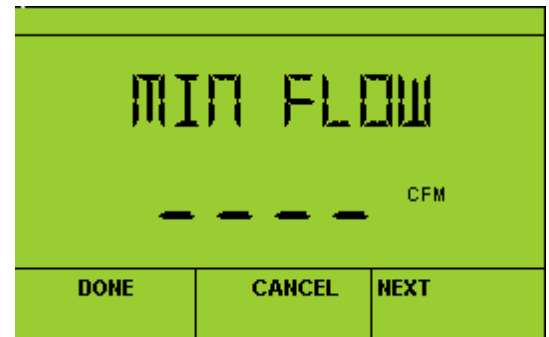
Parameter Group Name



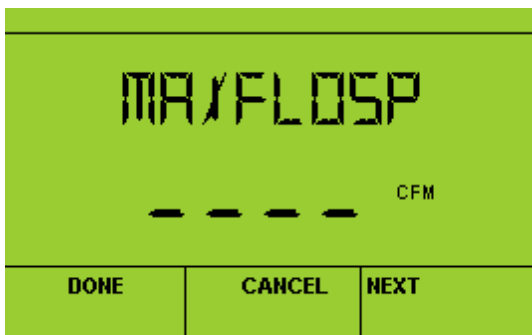
Minimum airflow setpoint at calibration [nciBalanceSetPts, MinMeasFlowSpt]



Offset value to the factory K factor [nciBalanceSetPts, KFactorOffset]

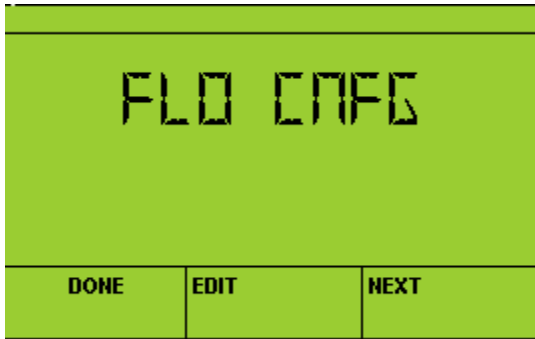


Measured minimum airflow [nciBalanceSetPts, MinMeasFlowAct]

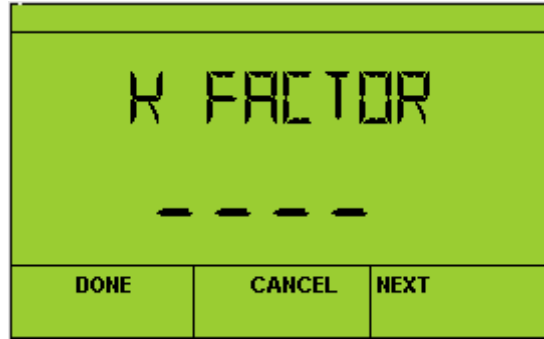


Maximum airflow setpoint at calibration [nciBalanceSetPts, MaxMeasFlowSpt]

AIR FLOW CONFIGURATION



Parameter Group Name



K Factor listed on side of VAV box [nciKFactor]



Pressure Dependend Flow [nciFlowLoop.PressDependent]

Display	Description
FALS	False
trUE	True

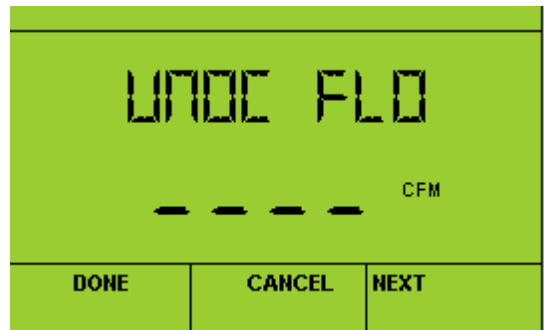
AIRFLOW SETPOINTS



Parameter Group Name



Area of duct in square feet [nciDuctArea]



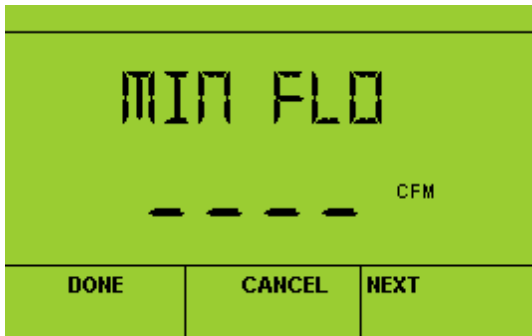
Unoccupied flow setpoint in CFM [nciMinFlowSetpt]

DAMPER CONFIGURATION

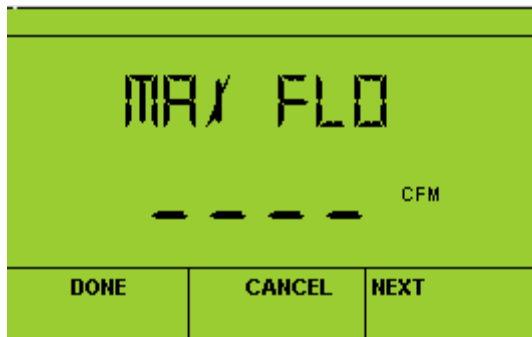
Pressure Dependent damper configuration



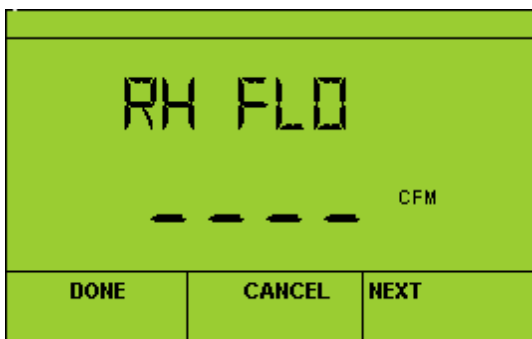
Standby flow setpoint in CFM [nciStbyMinFlowSetpt]



Minimum flow occupied setpoint in CFM [nciMinFlowSetpt]



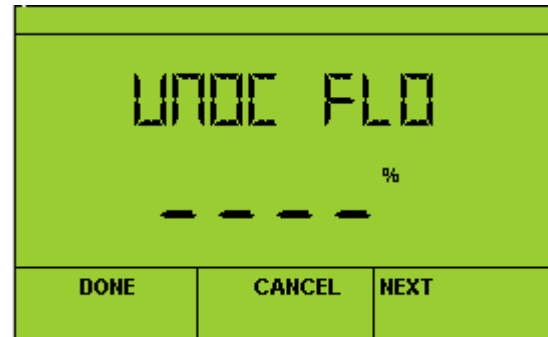
Maximum occupied flow setpoint in CFM [nciMaxFlowSetpt]



Reheat Flow Setpoint in CFM [nciMaxReheatFlow]



Parameter Group Name

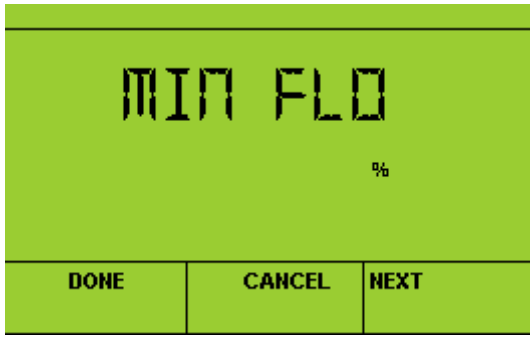


Unoccupied minimum damper position [nciFlowSP, UnOcMinFlowPos]



Standby minimum damper position [nciFlowSP, StbyMinFlowPos]

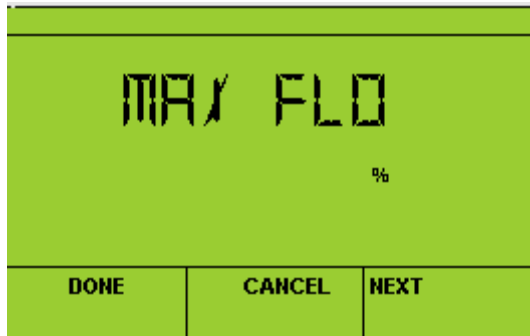
SENSOR CALIBRATION



Occupied minimum damper position [nciFlowSP, MinFlowPos]



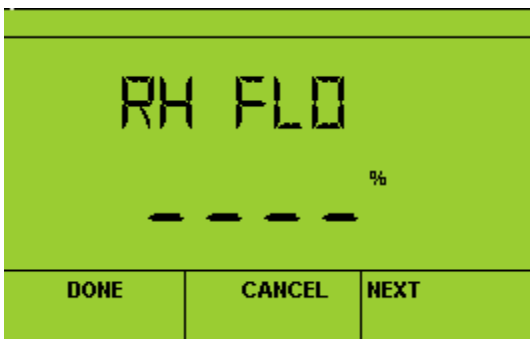
Parameter Group Name



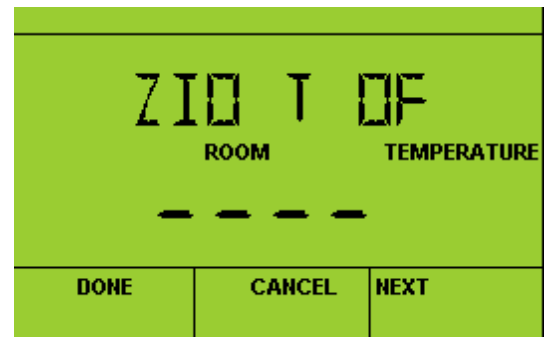
Maximum occupied damper position [nciFlowSP, MaxFlowPos]



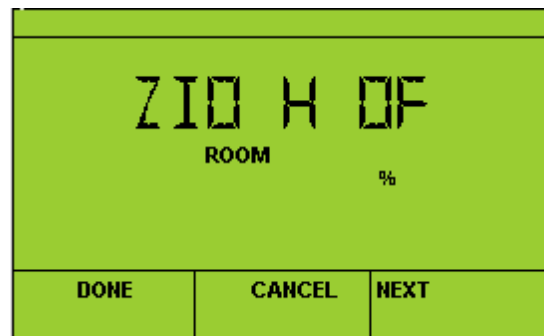
Pressure sensor offset in pascals



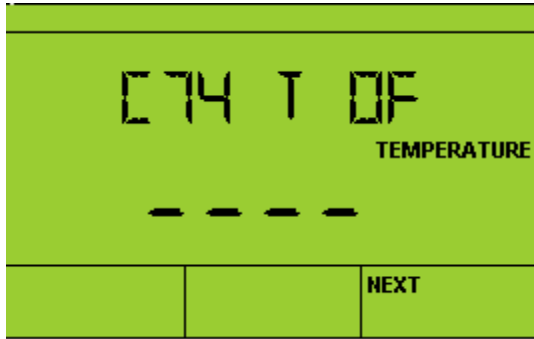
Reheat damper position [nciFlowSP, ReheatFlowPos]



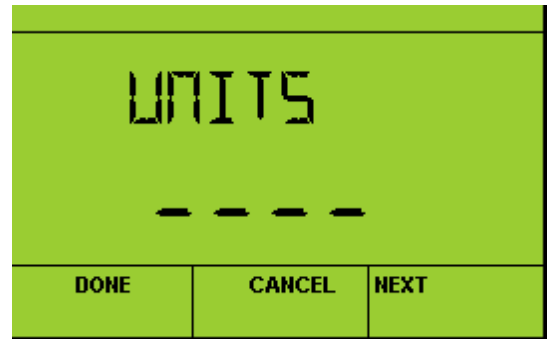
Zio temperature offset [nciWallModZio.TempOffset]



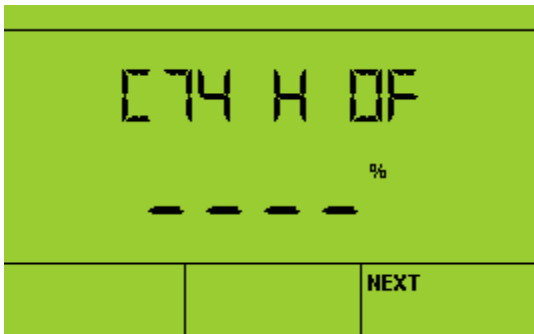
Zio humidity offset [nciWallModZio.RhOffset]



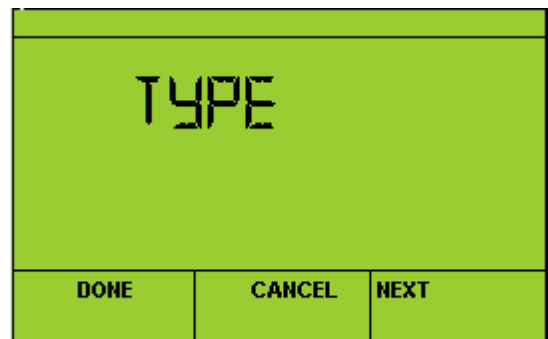
C7400S temperature offset [nciSbusSnsr.TempOffset]



Display Home screen temp in F or C [nciWallModZio.TempUnits]



C7400S humidity offset [nciSbusSnsr.RhOffset]



Choose wall module type [nciWallModCom.type]

WALL MODULE CONFIGURATION

Display	Description
nOnE	No Wall Module
tr20	Conventional Wall Module
ZIO	Zio Wall Module

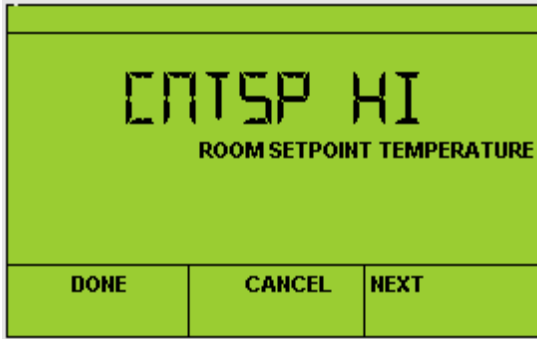


Parameter Group Name

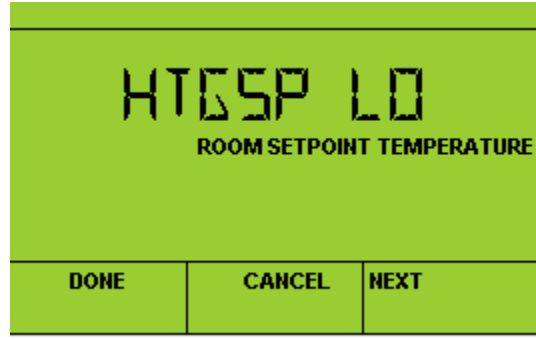


Ignore or use center setpoint (setpoint can still be changed from home screen but will be ignored) [nciWallModCom, UseWmStPt]

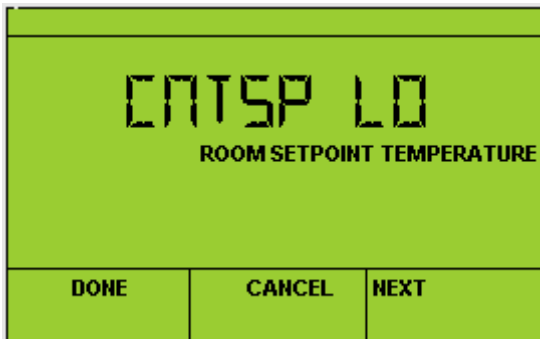
Display	Description
FALS	Ignore center setpoint
True	Use center setpoint



Center setpoint high limit [nciWallModCom, HighSetPt]



Minimum heating setpoint [nciWallModCom, MinHtgSetPt]



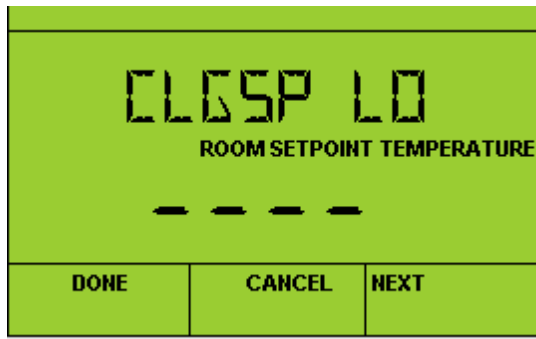
Center setpoint low limit [nciWallModCom, LowSetPt]



Maximum cooling setpoint [nciWallModCom, MaxClgSetPt]



Bypass time in minutes [nciWallModCom, BypassTime]



Minimum cooling setpoint [nciWallModCom, MinClgSetPt]



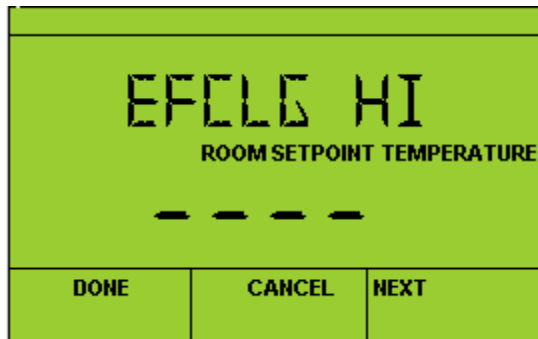
Maximum heating setpoint [nciWallModCom, MaxHtgSetPt]



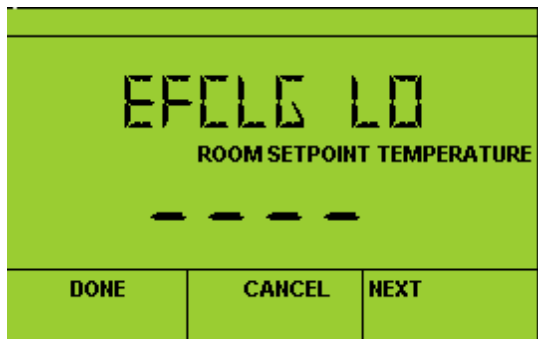
Effective heating high limit



Effective heating low limit



Effective cooling high limit

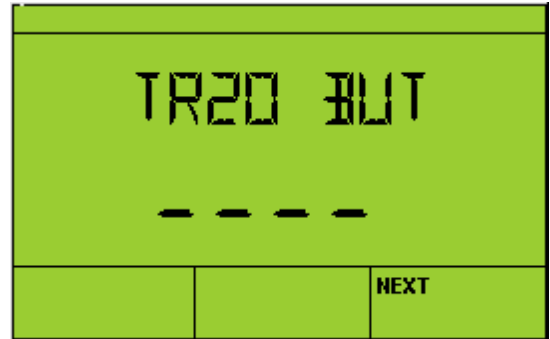


Effective cooling low limit



Conventional Wall Module Override [nciWallModConv, OvrType]

Display	Description
Stnd	Standard Bypass
bYPS	Bypass Only
dSbl	Override disabled



Conventional Wall Module Override Button [nciLogicallyVav, WallModOvrBut]

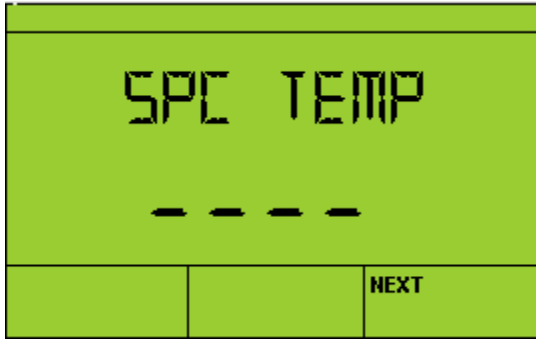
Display	Description
dI 1	digital input 1 (UI 1)
--	None



Conventional Wall Module SetPoint Input [nciLogicallyVav, SpcTempSP]

Display	Description
UI 3	universal input 3 (TR20)
210	Zio
--	none

NOTE: The TR20 setpoint input is limited to UI_3. Use the Wizard Tool if you require UI_1, 2, 4.



Space Temp input [nciLogicalInVav, SpcTemp]

Display	Description
CLG	cooling only
1 rH	1 stage reheat
2 rH	2 stage reheat
3 rH	3 stage reheat
A rH	analog (mod) reheat



Heating Sequence [nciHeat, HeatSeq]

Display	Description
UI_1	universal input 1
UI_2	
UI_3	
UI_4	
210	TR71 or TR75 Wall Module
--	none

CONTROL CONFIGURATION



Parameter Group Name

Display	Description
rH	0: reheat only
P rH	1: peripheral then reheat
rH P	2: reheat then peripheral
rP A	3: reheat & peripheral then reheat airflow
PrPH	4: peripheral only

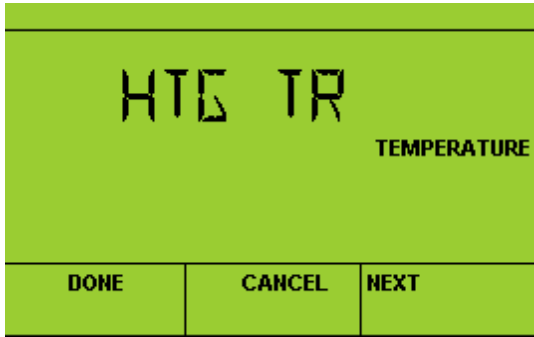


Constant or modulating airflow with reheat [nciHeat, ReheatControl]



Reheat configuration [nciHeat, Reheat]

Display	Description
FALS	Constant airflow with reheat
trUE	Airflow modulates with reheat up to the max reheat airflow



Heating throttling range [nciHeat, TR]

Suggested:

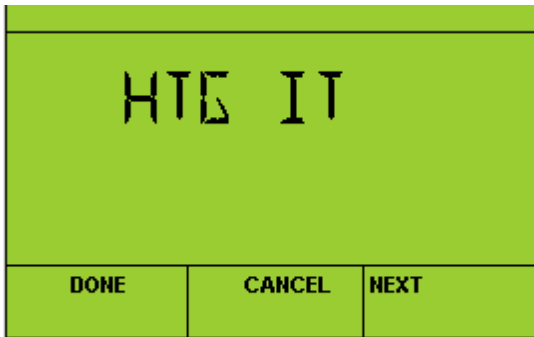
Type	TR (F)
Modulating	5
1 stage	3
2 stage	4
3 stage	7
4 stage	8

$2 \leq \text{range} \leq 30 \Delta F$



Configure fan type [nciFan, Type]

Display	Description
nOnE	no fan
SErS	Series fan
P tC	Parallel fan temperature control
P AF	Parallel fan airflow threshold
PSPd	Parallel fan speed control



Heating integral time [nciHeat, IT]

Suggested:

Type	IT (sec)
Modulating	2400
1 stage	3100
2 stage	2500
3 stage	1650
4 stage	1200

$0 \leq \text{range} \leq 5000 \text{ sec}$



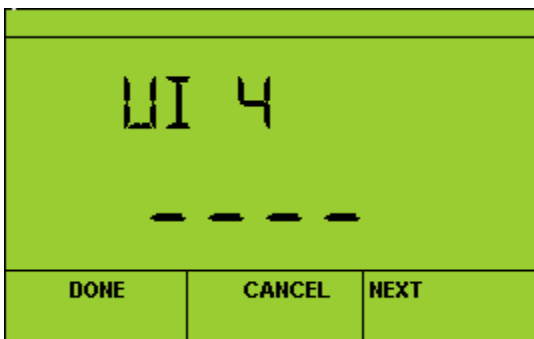
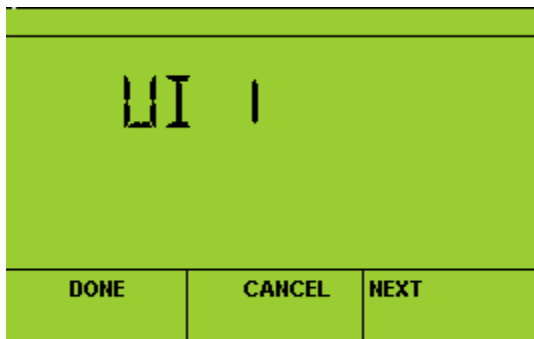
Choose Occupancy sensor operation [nciOccSensorOp]

Display	Description
CLn	Cleaning crew, when sensor trips during scheduled unocc, go to standby. During scheduled occ, space stays in standby unless occ sensor tripped
CO nF	Conference room, when sensor trips during scheduled unocc, stay unocc. During scheduled occ, space stays in standby unless occ sensor tripped
tnnt	Tenant, when sensor trips during scheduled unocc, go to occupied. During scheduled occ, space stays in standby unless occ sensor tripped

CONFIGURE UNIVERSAL INPUTS

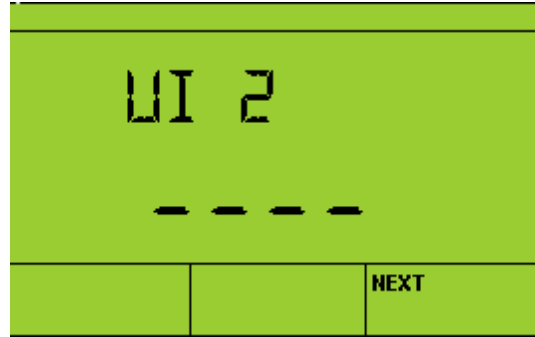


Parameter Group Name



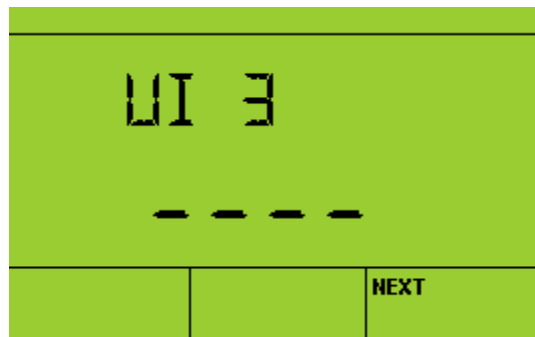
Configure UI 1 and UI4 [nciUI1, type and nciUI4, type]

Display	Description
ntC	20 Kntc temperature sensor
dGnO	Digital Normally Open
dGnC	Digital Normally Closed
tr_t	TR20 Conventional Wall Module ntc temperature sensor



Configure UI 2 [nciUI2, type]

Display	Description
ntC	20 Kntc temperature sensor
dGnO	Digital Normally Open
dGnC	Digital Normally Closed
tr_t	TR20 Conventional Wall Module ntc temperature sensor



Configure UI 3 [nciUI3, type]

Display	Description
ntC	20 Kntc temperature sensor
dGnO	Digital Normally Open
dGnC	Digital Normally Closed
trAb	TR20 Conventional Wall Module absolute (55 to 85F) setpoint input
trrL	TR20 Conventional Wall Module relative (±10 F) setpoint input
tr t	TR20 Conventional Wall Module ntc temperature sensor

CONFIGURE SBUS



Parameter Group Name



C7400S Temperature and humidity sylk bus sensor
[nciSbusSnsr, C7400sDisable]

Display	Description
EnbL	Enable sensor
dSbL	Disable sensor



Configure discharge air sensor [nciLogicallyInVav, DschrgAirTemp]

Display	Description
UI 1	universal input 1
UI 2	
UI 3	
UI 4	
SbUS	C7400s Sbus sensor
--	None



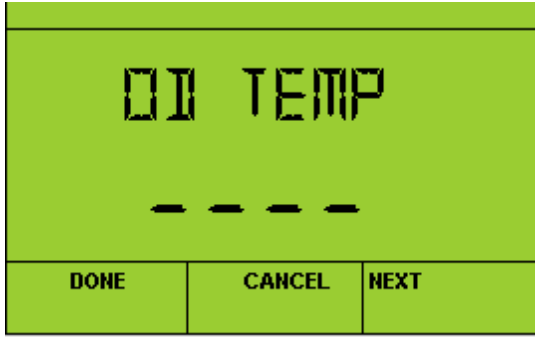
Configure supply air sensor [nciLogicallyInVav, SplyTemp]

Display	Description
UI 1	universal input 1
UI 2	
UI 3	
UI 4	
SbUS	C7400s Sbus sensor
--	None

CONFIGURE LOGICAL INPUTS



Parameter Group Name



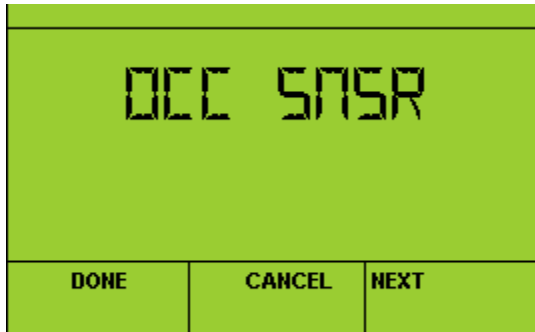
Configure outdoor air sensor [nciLogicalInVav, OdTemp]



Configure window sensor [nciLogicalInVav, WindowOpen]

Display	Description
UI 1	universal input 1
UI 2	
UI 3	
UI 4	
SbUS	C7400s Sbus sensor
--	None

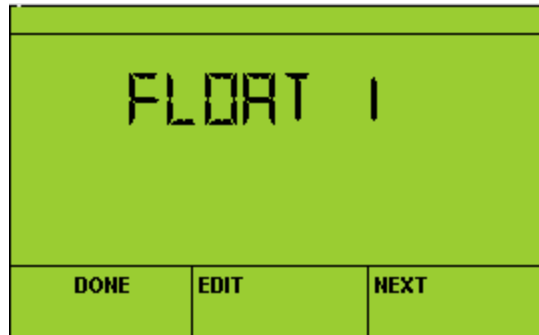
Display	Description
UI 1	universal input 1
UI 2	
UI 3	
UI 4	
--	None



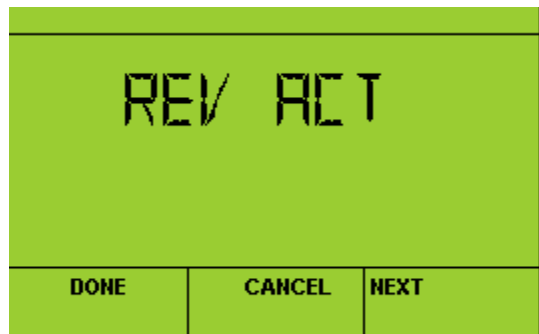
Configure occupancy sensor [nciLogicalInVav, OccSensor]

Display	Description
UI 1	universal input 1
UI_2	
UI 3	
UI 4	
--	None

CONFIGURE FLOATING OUTPUT1



Parameter Group Name



Configure floating output 1 [nciFloat1, action]

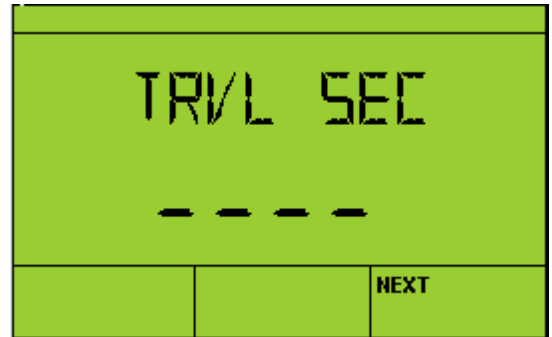
Display	Description
FALS	Direct Action
trUE	Reverse Action

Display	Description
FALS	Direct Action
trUE	Reverse Action



Actuator travel time as a value in (seconds) [nciFloat1, travelTime]

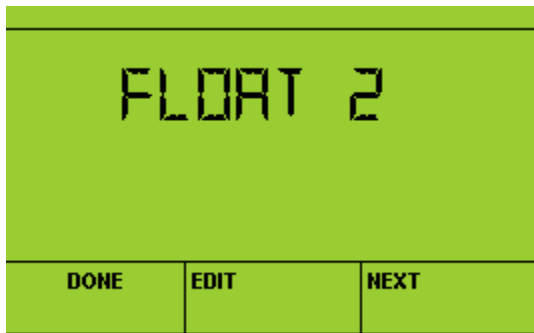
A value of zero disables the floating actuator and frees DO_3 & DO_4



Actuator travel time as a value in (seconds) [nciFloat2, travelTime]

A value of zero disables the floating actuator and frees DO_1 & DO_2

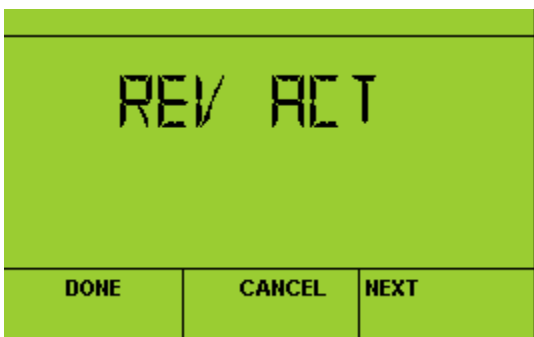
CONFIGURE ANALOG OUTPUT 1 & 2



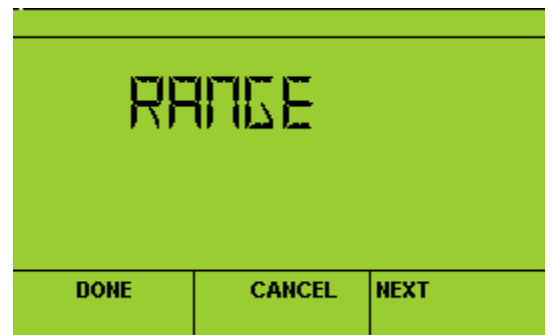
Parameter Group Name



Parameter Group Name (AO2 settings are identical)



Configure floating output 2 [nciFloat2, action]



Configure analog output 1 [nciAO1, analogRng]

Display	Description
0d10	0 to 10 volts (Wall Mod LED)
10d0	10 to 0 volts
2d10	2 to 10 volts
10d2	10 to 2 volts
0A20	0 to 20 ma
20A0	20 to 0 ma
0A22	0 to 22 ma
22A0	22 to 0 ma
4A20	4 to 20 ma
20A4	20 to 4 ma
dIG	Binary output (0 and 10 vdc)
255--	none

Display	Description
AO_1	Analog output 1
AO_2	
dO_1	Binary output 1
dO_2	
dO_3	
dO_4	
--	None

NOTES:

1. If you select dO_1 or dO_2, verify that Float_2_TRVL_SEC =0. This frees dO_1 & dO_2 from internal links to Float_2.
2. If you select dO_3 or dO_4, verify that Float_1_TRVL_SEC =0. This frees dO_3 & dO_4 from internal links to Float_1.

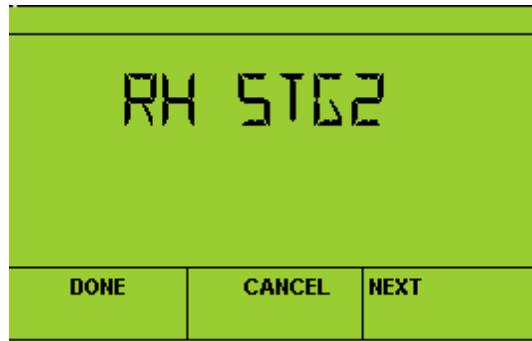
CONFIGURE LOGICAL OUTPUTS



Parameter Group Name



Configure Reheat Stage 1 [nciLogicalOutVav, HtgStg1]



Same settings as RH STG1



Same settings as RH STG1



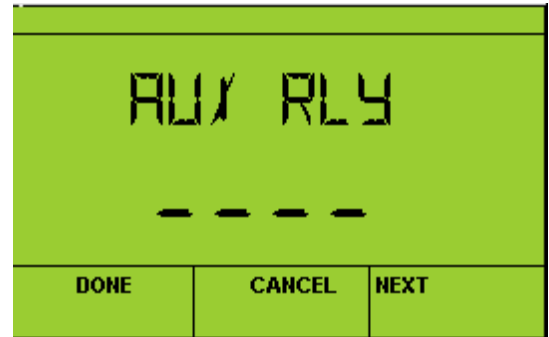
Configure modulating reheat [nciLogicalOutVav, ReheatMod]

Display	Description
AO_1	Analog output 1
AO_2	
FL_1	Floating output 1 (DO3, DO4)
FL_2	Floating output 2 (DO1, DO2)

Display	Description
AO_1	Analog output 1
AO_2	
FL_1	Floating output 1 (DO3, DO4)
FL_2	Floating output 2 (DO1, DO2)



Configure Peripheral Heat Stage [nciLogicalOutVav, PeriphHtgStg]



Configure Aux relay [nciLogicalOutVav, AuxDig]

Display	Description
AO_1	Analog output 1
AO_2	
dO_1	Binary output 1
dO_2	
dO_3	
dO_4	
--	None

Display	Description
AO_1	Analog output 1
AO_2	
dO_1	Binary output 1
dO_2	
dO_3	
dO_4	
--	None

NOTES:

1. If you select dO_1 or dO_2, verify that Float_2_TRVL_SEC =0. This frees dO_1 & dO_2 from internal links to Float_2.
2. If you select dO_3 or dO_4, verify that Float_1_TRVL_SEC =0. This frees dO_3 & dO_4 from internal links to Float_1.

NOTES:

1. If you select dO_1 or dO_2, verify that Float_2-TRVL_SEC =0. This frees dO_1 & dO_2 from internal links to Float_2.
2. If you select dO_3 or dO_4, verify that Float_1-TRVL_SEC =0. This frees dO_3 & dO_4 from internal links to Float_1.

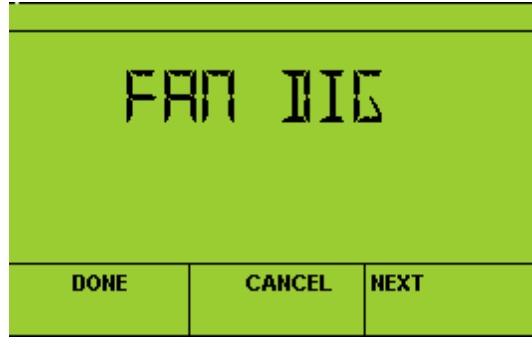


Configure modulating periph heat [nciLogicalOutVav, PrphHtgMod]



Configure Auxiliary Relay pulse ON [nciLogicalOutVav, AuxPlsOn]

Display	Description
AO_1	Analog output 1
AO_2	
dO_1	Binary output 1
dO_2	
dO_3	
dO_4	
--	None



Configure Fan Binary control [nciLogicalOutVav, FanDig]

NOTES:

1. If you select dO_1 or dO_2, verify that Float_2_TRVL_SEC =0. This frees dO_1 & dO_2 from internal links to Float_2.
2. If you select dO_3 or dO_4, verify that Float_1_TRVL_SEC =0. This frees dO_3 & dO_4 from internal links to Float_1.

Display	Description
AO_1	Analog output 1
AO_2	
dO_1	Binary output 1
dO_2	
dO_3	
dO_4	
--	None



Configure Auxiliary Relay pulse OFF [nciLogicalOutVav, AuxPlsOff]

NOTES:

1. If you select dO_1 or dO_2, verify that Float_2_TRVL_SEC =0. This frees dO_1 & dO_2 from internal links to Float_2.
2. If you select dO_3 or dO_4, verify that Float_1_TRVL_SEC =0. This frees dO_3 & dO_4 from internal links to Float_1.

Display	Description
AO_1	Analog output 1
AO_2	
dO_1	Binary output 1
dO_2	
dO_3	
dO_4	
--	None



Configure Fan Modulating control [nciLogicalOutVav, FanMod]

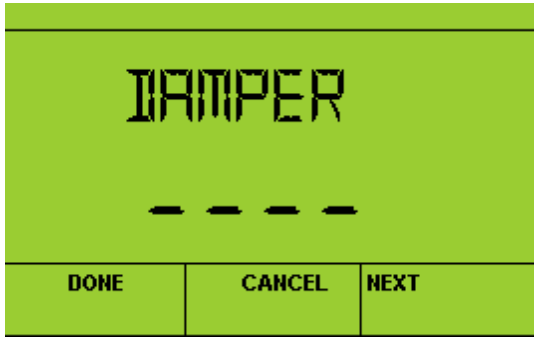
NOTES:

1. If you select dO_1 or dO_2, verify that Float_2_TRVL_SEC =0. This frees dO_1 & dO_2 from internal links to Float_2.
2. If you select dO_3 or dO_4, verify that Float_1_TRVL_SEC =0. This frees dO_3 & dO_4 from internal links to Float_1.

Display	Description
AO_1	Analog output 1
AO_2	
FL_1	Floating output 1 (DO3, DO4)
FL_2	Floating output 2 (DO1, DO2)

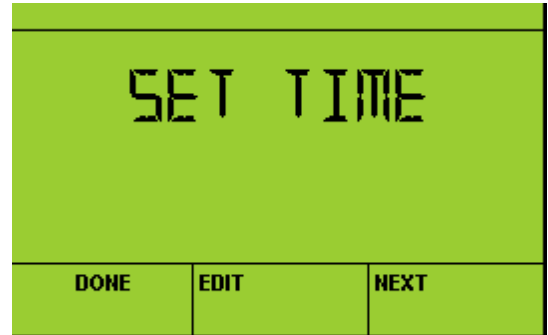
STANDARD ZIO CONFIGURATION FUNCTIONS

Set Time



Configure VAV cooling damper [nciLogicalOutVav, ClgDmpr]

Display	Description
AO_1	Analog output 1
AO_2	
FL_1	Floating output 1 (DO3, DO4)
FL_2	Floating output 2 (DO1, DO2)



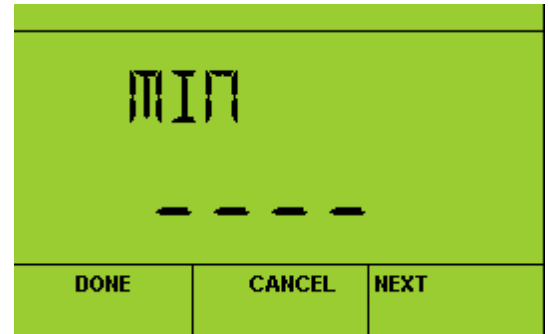
Parameter Group Name



Configure TR2X Wall Module LED [nciLogicalOutVav, LedMod]

Display	Description
AO_1	Analog output 1
AO_2	

NOTE: AO must be configured 0d10 (0 – 10 volts)



Set Date

The LCD screen displays the text "SET DATE" in a large, pixelated font. Below the text is a control bar with three buttons: "DONE", "EDIT", and "NEXT".

Parameter Group Name

Set Schedule

The LCD screen displays the text "SCHEDULE" in a large, pixelated font. Below the text is a control bar with three buttons: "DONE", "EDIT", and "NEXT".

Parameter Group Name

The LCD screen displays the text "YEAR" in a large, pixelated font. Below the text is a control bar with three buttons: "DONE", "CANCEL", and "NEXT".

The LCD screen displays the text "MONDAY" in a large, pixelated font. Below the text is a control bar with three buttons: "DONE", "EDIT", and "NEXT".

Select Day

The LCD screen displays the text "MONTH" in a large, pixelated font. Below the text is a control bar with three buttons: "DONE", "CANCEL", and "NEXT".

The LCD screen displays the text "HOLIDAY" in a large, pixelated font. Below the text is a control bar with three buttons: "DONE", "EDIT", and "NEXT".

The LCD screen displays the text "DAY" in a large, pixelated font. Below the text is a dashed line consisting of four horizontal dashes. Below the dashed line is a control bar with three buttons: "DONE", "CANCEL", and "NEXT".

Edit Event Time & Occupancy State



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