



| POINTS LIST | | | | | | |
|--------------------|---------------------|------------|----|----|----|---------------------|
| POINT NAME | POINT DESCRIPTOR | POINT TYPE | | | | REMARKS |
| | | DI | AI | DO | AO | |
| AHUxx.RA-T | AHUx RA Temp | | 1 | | | |
| AHUxx.RA-H | AHUx RA Humidity | | 1 | | | |
| AHUxx.SMK-RA-ST5 | AHUx RA Smk Det | 1 | | | | |
| AHUxx.RET-FN-ALARM | AHUx RF VSD Alarm | 1 | | | | (may be network pt) |
| AHUxx.RET-FN-ST5 | AHUx RF Status | 1 | | | | |
| AHUxx.RET-FN-FDBK | AHUx RF Feedback | 1 | | | | (may be network pt) |
| AHUxx.RET-FN-C | AHUx RF Start/Stop | | | 1 | 1 | |
| AHUxx.S-FN-SPD-O | AHUx SF Speed | | | | 1 | |
| AHUxx.S-FN-ALARM | AHUx SF VSD Alarm | 1 | | | | (may be network pt) |
| AHUxx.S-FN-ST5 | AHUx SF Status | 1 | | | | |
| AHUxx.S-FN-FDBK | AHUx SF Feedback | 1 | | | | (may be network pt) |
| AHUxx.S-FN-C | AHUx SF Start/Stop | | | 1 | 1 | |
| AHUxx.S-FN-SPD-O | AHUx SF Speed | | | | 1 | |
| AHUxx.SA-F | AHUx SA Flow | 1 | | | | |
| AHUxx.RA-F | AHUx RA Flow | 1 | | | | |
| AHUxx.RLF-D-C | AHUx Relief Damper | | | | 1 | |
| AHUxx.ECON-D-C | AHUx Econ Dampers | | | | 1 | |
| AHUxx.MA-T | AHUx MA Temperature | 1 | | | | |
| AHUxx.SA-T | AHUx SA Temperature | 1 | | | | |
| AHUxx.PH-T | AHUx PH Temp | 1 | | | | |
| AHUxx.DD-STP | AHUx DD Static | 1 | | | | |
| AHUxx.T-ALA | AHUx Low Temp Alrm | 1 | | | | |
| AHUxx.SA-P-H-ALA | AHUx SA High Press | 1 | | | | |
| AHUxx.HTG-V-C | AHUx HW Valve | | | | 1 | |
| AHUxx.CHW-V-C | AHUx CHW Valve | | | | 1 | |
| TOTALS | | 7 | 10 | 2 | 6 | |

| LOGIC VARIABLES | | | |
|-----------------|--------|--|----|
| BINARY | ANALOG | DESCRIPTION | # |
| [Occ] | | ON WHEN OCCUPIED MODE ACTIVE | 4 |
| [RUN] | | ON WHEN UNIT COMMANDED TO START | 2 |
| [SBH] | | ON WHEN SETBACK HEATING MODE ACTIVE | 4 |
| [SBC] | | ON WHEN SETBACK COOLING MODE ACTIVE | 3 |
| [WUP] | | ON WHEN WARM-UP MODE ACTIVE | 3 |
| [CDN] | | ON WHEN COOL-DOWN MODE ACTIVE | 3 |
| [SGO] | | ON WHEN SUPPLY FAN ENERGIZED AND STATUS PROVEN | 10 |
| [RGO] | | ON WHEN RETURN FAN ENERGIZED AND STATUS PROVEN | 2 |
| [MAGO] | | ON WHEN OA CONDITIONS ALLOW ECONOMIZER CONTROL | 3 |
| [SFTY] | | ON WHEN Smoke Detector, Freezesat or High Static Pressure ARE ON | 2 |
| [HST] | | VARIABLE CALCULATED VALUE OF HIGHEST SPACE TEMPERATURE | 2 |
| [SCFM] | | VARIABLE VALUE OF SUPPLY AIR FLOW (CFM) | 2 |
| [SAT] | | VARIABLE VALUE OF SUPPLY AIR TEMPERATURE | 3 |
| [MAT] | | VARIABLE VALUE OF MIXED AIR TEMPERATURE | 2 |
| [DASP] | | VARIABLE CALCULATED VALUE OF DISCHARGE TEMPERATURE SETPOINT | 3 |
| [CPCT] | | VARIABLE CALCULATED VALUE OF CHW VALVE POSITION | 2 |
| [HPCT] | | VARIABLE CALCULATED VALUE OF HW VALVE POSITION | 3 |
| [EPCT] | | VARIABLE CALCULATED VALUE OF ECONOMIZER PID OUTPUT | 4 |
| [RHP] | | VARIABLE CALCULATED VALUE OF CHW VALVE POSITION FOR DEHUM | 2 |

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UNIVERSITY of VIRGINIA
 FACILITIES MANAGEMENT

HVAC CONTROLS STANDARDS

Eng HJN
 Drawn HJN
 Chkd ---
 Appd ---
 Issued 8/4/11
 Job No. 10080
 Scale N/A
 Proj Code

STANDARD

VAV AIR HANDLER (LOGIC)

04 OF 30 SHEET NUMBER

C-1.0b

DWG NUMBER