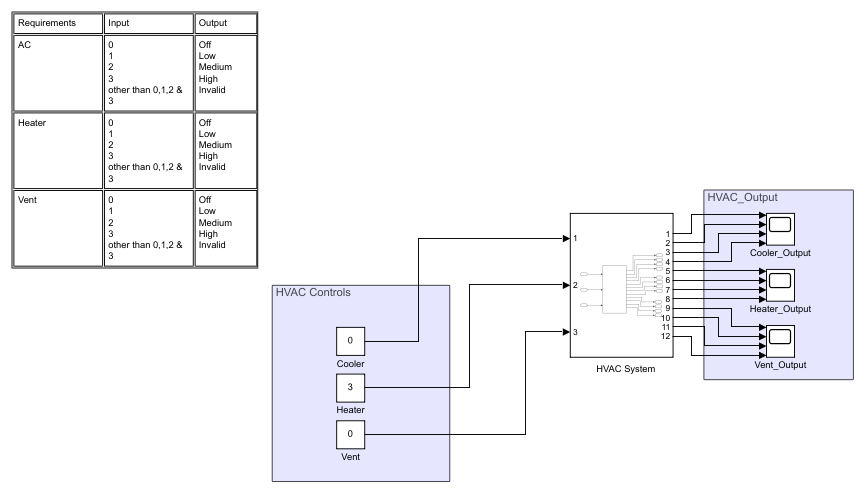
**HVAC\_subsystemfinal**



**Siddi Ahalya**

20-Dec-2020 22:39:05

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[System - HVAC\_subsystemfinal/Subsystem/HVAC/Vent/If Action Subsystem](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#d0e3660)

[System - HVAC\_subsystemfinal/Subsystem/HVAC/Vent/If Action Subsystem1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#d0e3821)

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10. [Sigbuilder block Block Properties](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "d0e1655)

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43. [Outport Block Properties](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#d0e3445)

44. [Sigbuilder block Block Properties](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "d0e3639)

45. [ActionPort Block Properties](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "d0e3685)

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48. [ActionPort Block Properties](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "d0e3846)

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57. [Block Type Count](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#d0e4309)

**Model - HVAC\_subsystemfinal**

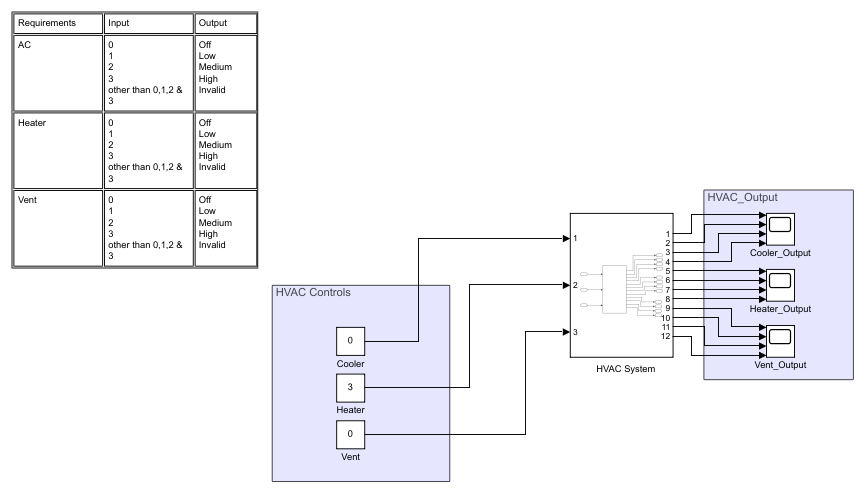
**Full Model Hierarchy**

1. [HVAC\_subsystemfinal](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_22d8665f9eb5af3ef2135bd2b43cc05e)
   1. [Subsystem](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)
      1. [HVAC](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)
         1. [Cooler](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_cfa11278ae5486d38095135309ff0132)
            1. [If Action Subsystem](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_ee07ce1bf91b474c724ea51988ac06fe)
            2. [If Action Subsystem1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_13fa8905479a86544671ff4d500f6e4e)
            3. [If Action Subsystem2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8dac03fb2f6f0e1244d0bfa7cc32c6fc)
            4. [If Action Subsystem3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_db0cb771ae3892eadb40b7ba684781f9)
         2. [Heater](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_857ec890cfaf893c3959354f538ec230)
            1. [If Action Subsystem](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_9a57eb30d2a8e4037e7fe112339f1a2f)
            2. [If Action Subsystem1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1f63d16b20e5d850f913564df26365f5)
            3. [If Action Subsystem2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_c0508982e87b9ea6751d733875e16683)
            4. [If Action Subsystem3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_36149dc30eafe83568c01f83b0e49170)
         3. [Vent](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_95e07ef7befbeafeb6b26d3e875f58ec)
            1. [If Action Subsystem](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fbe37e366872ff31f966b5130e851687)
            2. [If Action Subsystem1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_0dd5e9523a671abe0311408859c08d3c)
            3. [If Action Subsystem2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_a5569e3276436179767adb6174949509)
            4. [If Action Subsystem3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_6dae1deb80149bec3ade812d6571ccf1)

| **Simulation Parameter** | **Value** |
| --- | --- |
| Solver | VariableStepAuto |
| RelTol | 1e-3 |
| Refine | 1 |
| MaxOrder | 5 |
| ZeroCross | on |

[*[more info]*](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#appendix-sl)

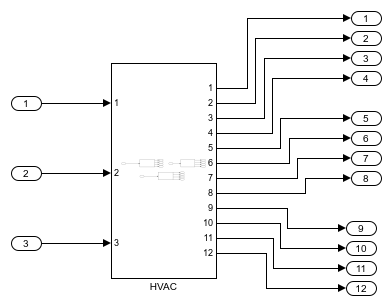
**System - HVAC\_subsystemfinal**



**Table 1. Constant Block Properties**

| **Name** | **Value** | **Out Data Type Str** | **Lock Scale** | **Sample Time** | **Frame Period** |
| --- | --- | --- | --- | --- | --- |
| Cooler | 0 | Inherit: Inherit from 'Constant value' | off | inf | inf |
| Heater | 3 | Inherit: Inherit from 'Constant value' | off | inf | inf |
| Vent | 0 | Inherit: Inherit from 'Constant value' | off | inf | inf |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/Subsystem**



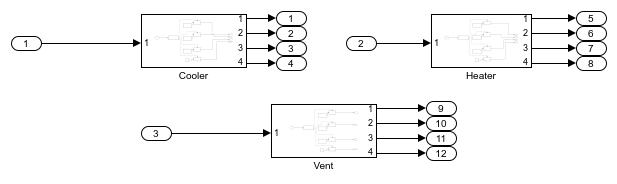
**Table 2. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 3 | [Vent](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_73ddc8a6b469b4ddf585d23a0e2a664b) |
| In11 | 1 | [Cooler](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_a44c11c7fc0dc22f030465a6596df952) |
| In12 | 2 | [Heater](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e54f88afc5798d8773b18568a42b6297) |

**Table 3. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Output | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output1 | 2 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output10 | 11 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |
| Output11 | 12 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |
| Output2 | 3 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output3 | 4 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output4 | 5 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output5 | 6 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output6 | 7 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output7 | 8 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output8 | 9 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |
| Output9 | 10 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/HVAC**



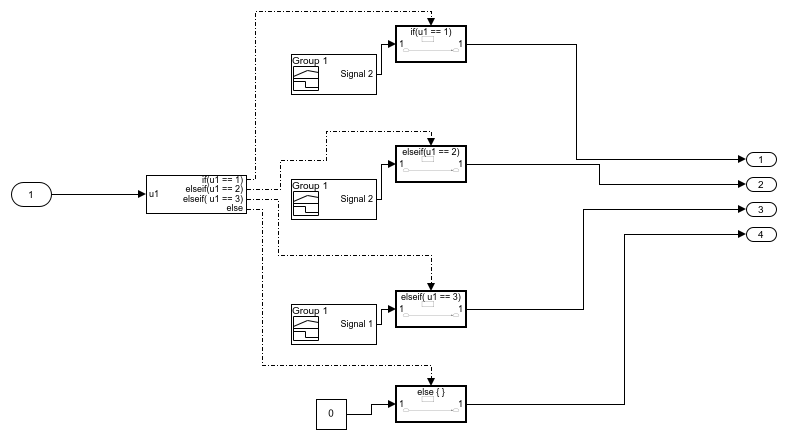
**Table 4. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In2 | 2 | [Heater](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e54f88afc5798d8773b18568a42b6297) |
| In3 | 3 | [Vent](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_73ddc8a6b469b4ddf585d23a0e2a664b) |
| Input | 1 | [Cooler](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_a44c11c7fc0dc22f030465a6596df952) |

**Table 5. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Output | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output1 | 2 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output10 | 11 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |
| Output11 | 12 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |
| Output2 | 4 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output3 | 3 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output4 | 5 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output5 | 6 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output6 | 7 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output7 | 8 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output8 | 9 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |
| Output9 | 10 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/Cooler**



**Table 6. Constant Block Properties**

| **Name** | **Value** | **Out Data Type Str** | **Lock Scale** | **Sample Time** | **Frame Period** |
| --- | --- | --- | --- | --- | --- |
| Constant1 | 0 | Inherit: Inherit from 'Constant value' | off | inf | inf |

**Table 7. If Block Properties**

| **Name** | **Num Inputs** | **If Expression** | **Else If Expressions** | **Show Else** | **Zero Cross** |
| --- | --- | --- | --- | --- | --- |
| If | 1 | u1 == 1 | u1 == 2, u1 == 3 | on | on |

**Table 8. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| Input | 1 | [Cooler](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_a44c11c7fc0dc22f030465a6596df952) |

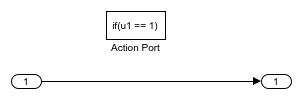
**Table 9. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Output | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output1 | 2 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output2 | 3 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |
| Output3 | 4 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |

**Table 10. Sigbuilder block Block Properties**

| **Name** |
| --- |
| Signal Builder |
| Signal Builder1 |
| Signal Builder2 |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Cooler**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_cfa11278ae5486d38095135309ff0132)**/If Action Subsystem**



**Table 11. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

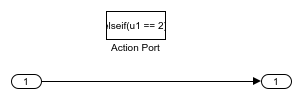
**Table 12. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | Demux |

**Table 13. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Out1 | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Cooler**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_cfa11278ae5486d38095135309ff0132)**/If Action Subsystem1**



**Table 14. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

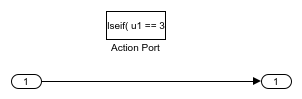
**Table 15. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | Demux |

**Table 16. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Output1 | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Cooler**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_cfa11278ae5486d38095135309ff0132)**/If Action Subsystem2**



**Table 17. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

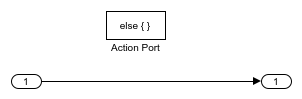
**Table 18. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | Demux |

**Table 19. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Out1 | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Cooler**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_cfa11278ae5486d38095135309ff0132)**/If Action Subsystem3**



**Table 20. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

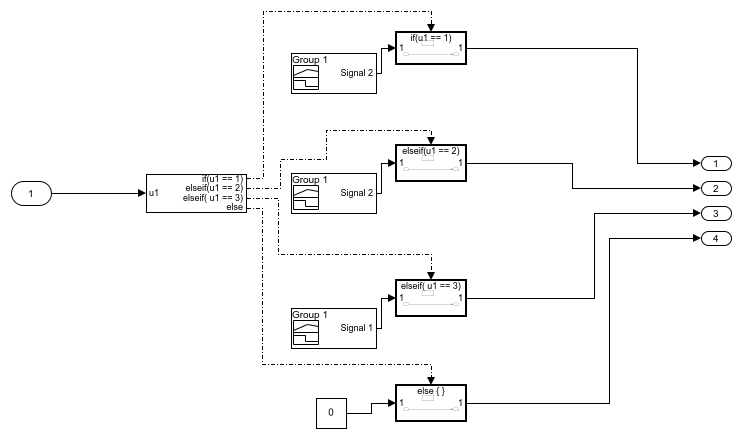
**Table 21. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | [Constant1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_bd95c6e72f0ea2c4654ac7a2eaacd424) |

**Table 22. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Out1 | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Cooler\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/Heater**



**Table 23. Constant Block Properties**

| **Name** | **Value** | **Out Data Type Str** | **Lock Scale** | **Sample Time** | **Frame Period** |
| --- | --- | --- | --- | --- | --- |
| Constant1 | 0 | Inherit: Inherit from 'Constant value' | off | inf | inf |

**Table 24. If Block Properties**

| **Name** | **Num Inputs** | **If Expression** | **Else If Expressions** | **Show Else** | **Zero Cross** |
| --- | --- | --- | --- | --- | --- |
| If | 1 | u1 == 1 | u1 == 2, u1 == 3 | on | on |

**Table 25. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| Input | 1 | [Heater](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e54f88afc5798d8773b18568a42b6297) |

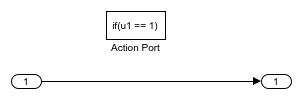
**Table 26. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Output | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output1 | 2 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output2 | 3 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |
| Output3 | 4 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |

**Table 27. Sigbuilder block Block Properties**

| **Name** |
| --- |
| Signal Builder |
| Signal Builder1 |
| Signal Builder2 |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Heater**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_857ec890cfaf893c3959354f538ec230)**/If Action Subsystem**



**Table 28. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

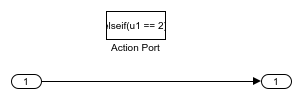
**Table 29. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | Demux |

**Table 30. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Output | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Heater**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_857ec890cfaf893c3959354f538ec230)**/If Action Subsystem1**



**Table 31. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

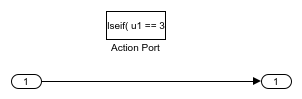
**Table 32. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | Demux |

**Table 33. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Out1 | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Heater**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_857ec890cfaf893c3959354f538ec230)**/If Action Subsystem2**



**Table 34. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

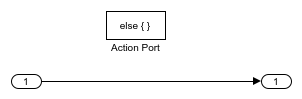
**Table 35. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | Demux |

**Table 36. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Out1 | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Heater**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_857ec890cfaf893c3959354f538ec230)**/If Action Subsystem3**



**Table 37. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

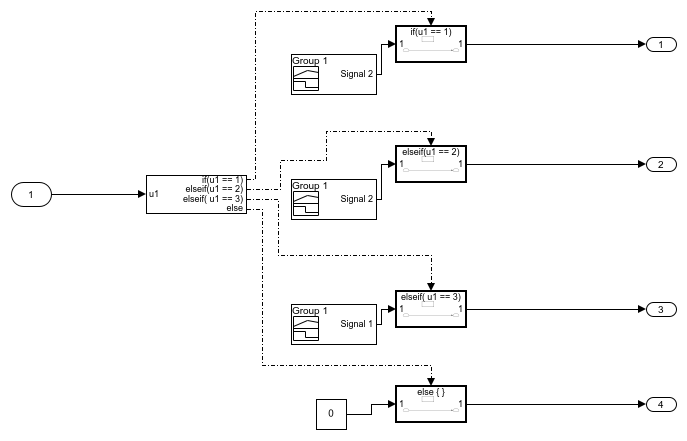
**Table 38. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | [Constant1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_077d769e883074710f1aa212ea55eca7) |

**Table 39. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Out1 | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Heater\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/Vent**



**Table 40. Constant Block Properties**

| **Name** | **Value** | **Out Data Type Str** | **Lock Scale** | **Sample Time** | **Frame Period** |
| --- | --- | --- | --- | --- | --- |
| Constant1 | 0 | Inherit: Inherit from 'Constant value' | off | inf | inf |

**Table 41. If Block Properties**

| **Name** | **Num Inputs** | **If Expression** | **Else If Expressions** | **Show Else** | **Zero Cross** |
| --- | --- | --- | --- | --- | --- |
| If | 1 | u1 == 1 | u1 == 2, u1 == 3 | on | on |

**Table 42. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| Input | 1 | [Vent](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_73ddc8a6b469b4ddf585d23a0e2a664b) |

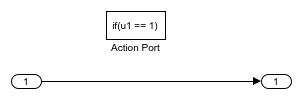
**Table 43. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Output | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |
| Output1 | 2 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |
| Output2 | 3 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |
| Output3 | 4 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |

**Table 44. Sigbuilder block Block Properties**

| **Name** |
| --- |
| Signal Builder |
| Signal Builder1 |
| Signal Builder2 |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Vent**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_95e07ef7befbeafeb6b26d3e875f58ec)**/If Action Subsystem**



**Table 45. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

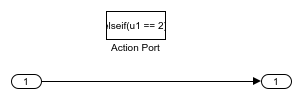
**Table 46. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | Demux |

**Table 47. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Output | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Vent**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_95e07ef7befbeafeb6b26d3e875f58ec)**/If Action Subsystem1**



**Table 48. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

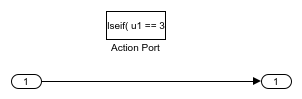
**Table 49. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | Demux |

**Table 50. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Out1 | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Vent**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_95e07ef7befbeafeb6b26d3e875f58ec)**/If Action Subsystem2**



**Table 51. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

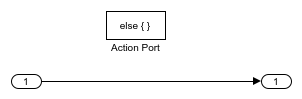
**Table 52. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | Demux |

**Table 53. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Output2 | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |

**System - [HVAC\_subsystemfinal](file:///C:\\Users\\sai%20charan\\AppData\\Local\\Temp\\HVAC_subsystemfinal.html" \l "mw_22d8665f9eb5af3ef2135bd2b43cc05e)/**[**Subsystem**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75)**/**[**HVAC**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412)**/**[**Vent**](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_95e07ef7befbeafeb6b26d3e875f58ec)**/If Action Subsystem3**



**Table 54. ActionPort Block Properties**

| **Name** | **Initialize States** | **Propagate Var Size** |
| --- | --- | --- |
| Action Port | held | Only when execution is resumed |

**Table 55. Inport Block Properties**

| **Name** | **Port** | **Defined In Blk** |
| --- | --- | --- |
| In1 | 1 | [Constant1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_20728cde41a29cc5efb468ea60114371) |

**Table 56. Outport Block Properties**

| **Name** | **Port** | **Storage Class** | **Icon Display** | **Lock Scale** | **Unit** | **Var Size Sig** | **Signal Type** | **Ensure Outport Is Virtual** | **Source Of Initial Output Value** | **Output When Disabled** | **Must Resolve To Signal Object** | **Output When Un Connected** | **Output When Unconnected Value** | **Vector Params As 1DFor Out When Unconnected** | **Used By Blk** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Output3 | 1 | Auto | Port number | off | inherit | Inherit | auto | off | Dialog | held | off | off | 0 | on | Vent\_Output |

**Appendix**

**Table 57. Block Type Count**

| **BlockType** | **Count** | **Block Names** |
| --- | --- | --- |
| Outport | 48 | [Out1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_13b78d9437229b0a30bab7507b34d982), [Output1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_b79e225cf058cc65373fd53a5696d892), [Out1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_d7b2013cf92b7f153654c7bdfb13880c), [Out1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e85c31ddbd993dacc32efa094b565ab3), [Output](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_cb5948f2f030846e65f9736e56cd7eb9), [Output1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_a1e7771ceb0e6929c15f4534df6f0b71), [Output2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_bac4c00ee6bbb34518fbc83f8bbfa838), [Output3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_5ca812f4cefb6db0e7ae9e5c60d26b24), [Output](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_46f8e41f20b1f58fa2c833a730057a67), [Out1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1ec880fa54c2d97349b0556b9340ac6e), [Out1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_4777a6cf3efb64f4d3744a0f5d818b30), [Out1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_3e58c37ee44f8dccb992ff4b0d83b8e7), [Output](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_4d21c33d04187aba950917d744308c93), [Output1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_3a5a47656802c66197256ac65b36b925), [Output2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_2eb67cd3928956d33182d83ee3498c0e), [Output3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fb0b18a38966a01e5e7de4750ec16716), [Output](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_4403909a4f8efa6300949cfddbcc4dd8), [Output1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_f902c24ab688717e0698bf1f22824ca1), [Output10](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_c9174e9496ee4cae2a0a3a88cdd3d7b7), [Output11](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_2d67c465dd37ad3c49cbb90c0d529aef), [Output2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_530c7c8c282ae370343def69c8975ba2), [Output3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_7d24368d1ba5bc9cc5c9ca2464da875b), [Output4](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_81b3620f901327ad6bee96bc64cfa177), [Output5](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8aba80268c7f9eb86ffd022640a195b8), [Output6](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_4c5a25e36c756478e96fca018563aff2), [Output7](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_3b51e1ea53c8e916f503483229b6863a), [Output8](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_2f9b25b711c7cc0e548ec1672c3af840), [Output9](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_3b5b3a54e26d7df708ec5f3e907f25d9), [Output](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1bdf29930e956c3053dfd6412419b787), [Out1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_34af99f429c5fa1b71087dbd127029e5), [Output2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8a99c2f4f34e404017add6a86d75b096), [Output3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_d247ec564499b2fb3597a41c4a1fa586), [Output](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_0af631172e3e711982f3427f70c1eb5d), [Output1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_5dac901899278e9d4b6afa58cfbab4c0), [Output2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_746eaf44c3fa758e8593ea1bd16d29c4), [Output3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8ddc45a75593d5199dd1a67bf2af8a8b), [Output](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_d9373e4fd9a213310b7046655213af53), [Output1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_bbf7fa8efb9153e66da08a443266af75), [Output10](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_2db00a869c55e9f66ad77edd05c82151), [Output11](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_0bc70213233fd563369262f8a919e390), [Output2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e2dced740be839f5741ff0e8fb84d4a2), [Output3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_188c069dfd7e0dc3b5f26e11dc58a87b), [Output4](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_bd418d268a07c453be6687f6506c5322), [Output5](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8a3a337c06c8685e97efb0b17dc09d08), [Output6](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_828dce5a685cd8fad98d481ac48bfb3f), [Output7](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_2730e5053eaf3edf649804281f0fc223), [Output8](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_c8a86a883ec0f76deacba95c4d14180f), [Output9](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8df4743cd2a894035cc9ed3eb8f4ef07) |
| Inport | 21 | [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_62437f0feff9c4eea37ef3775ac26d9d), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8ce24a6b3332f29531ff62f9804e7a23), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e1d5ace53c482cae974a28ed2213f9d0), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_d76c49ad7f8ce9a230d9dee12cc33dd5), [Input](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e5744f787a134f2937db7973c3bb49ee), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_c793d072066adc4c424579820a0e45cb), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_3f5cdd51893bbc2c0a1569e070896d33), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_ecde79292d0c40d05fb078ad9709f0f4), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_7ad79d0f9d7db246b14d2d253e8f3039), [Input](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_b458e2fa5af411379e0525daa6511133), [In2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_459f790b9e040ce8c228a81ed2ab9066), [In3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_f0b09186daf4b3efaf75627913a1f49c), [Input](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8d6f60ac2a56818075c6cd6a3dbc054b), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_897f81a649d0c4d659928a62bb664686), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_4d72c053a5b0110fc055dd77043d1c8e), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_b8291c0d1d2a031eda22cb3b09254f7a), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_abcdce74a2e4698ff7166537b80ae6ca), [Input](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_5c2edd30c5840ae2b27164a179dc4a30), [In1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1b5c8f8de401be46e62ec29139613200), [In11](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_a71410d44691561c6ee4fa9935c13140), [In12](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_6c6c3ab3988f21316d1756f9551a7253) |
| SubSystem | 17 | [Subsystem](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fc46344acbca95ed29258574159b4d75), [HVAC](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1c54b18c5d04f569302bf7c231f30412), [Cooler](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_cfa11278ae5486d38095135309ff0132), [If Action Subsystem](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_ee07ce1bf91b474c724ea51988ac06fe), [If Action Subsystem1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_13fa8905479a86544671ff4d500f6e4e), [If Action Subsystem2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8dac03fb2f6f0e1244d0bfa7cc32c6fc), [If Action Subsystem3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_db0cb771ae3892eadb40b7ba684781f9), [Heater](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_857ec890cfaf893c3959354f538ec230), [If Action Subsystem](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_9a57eb30d2a8e4037e7fe112339f1a2f), [If Action Subsystem1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_1f63d16b20e5d850f913564df26365f5), [If Action Subsystem2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_c0508982e87b9ea6751d733875e16683), [If Action Subsystem3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_36149dc30eafe83568c01f83b0e49170), [Vent](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_95e07ef7befbeafeb6b26d3e875f58ec), [If Action Subsystem](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_fbe37e366872ff31f966b5130e851687), [If Action Subsystem1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_0dd5e9523a671abe0311408859c08d3c), [If Action Subsystem2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_a5569e3276436179767adb6174949509), [If Action Subsystem3](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_6dae1deb80149bec3ade812d6571ccf1) |
| ActionPort | 12 | [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8d18d3b3a46c1d8e17efc6857c70bd80), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_082c030dfe1cb34bc12426073769cbce), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_06314a756653da459e97c90fd31e9686), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_ec683d69a2daea75291dca6a218f5cf1), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_90f176ecb1256e5e69b544d4db4136d3), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_7747244b179dabd074bc5445a951ccdc), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_28d02424dfb1a388414efac68aea3a1d), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_43ea0fcd171289715a124e57f98c6a63), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e39f672debed6d3530d21ef9e243d484), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_8e01dcd419af750af875c148f37728de), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_03376a668d00173e7cd798568f368ef6), [Action Port](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_77ffd00a0a4ca54bbaca933ccd36618a) |
| Sigbuilder block (m) | 9 | [Signal Builder](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_81c23a3212b72c0fb38851094e191f37), [Signal Builder1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_d6bccfe23a1af2de9ebee9667df93923), [Signal Builder2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_5bcb966e9f9f3d0bbfa5e093b1f73bba), [Signal Builder](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_251fb729b862698723ada65d27487a78), [Signal Builder1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_197bf91961021ec67b4ef54ab23906d1), [Signal Builder2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e39be14f7cd51e5f476275272d076a76), [Signal Builder](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e9269156894e7ff38d40ece2c6cfd574), [Signal Builder1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_a400e600b9c3710a9bb03f2552645a0c), [Signal Builder2](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_c656f1d3df257f4f02a98ab5160d3ec2) |
| Constant | 6 | [Cooler](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_a44c11c7fc0dc22f030465a6596df952), [Heater](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_e54f88afc5798d8773b18568a42b6297), [Constant1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_bd95c6e72f0ea2c4654ac7a2eaacd424), [Constant1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_077d769e883074710f1aa212ea55eca7), [Constant1](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_20728cde41a29cc5efb468ea60114371), [Vent](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_73ddc8a6b469b4ddf585d23a0e2a664b) |
| Scope | 3 | Cooler\_Output, Heater\_Output, Vent\_Output |
| If | 3 | [If](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_dd4c9f1b7f7ced141a00f2d4c3c4dad2), [If](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_ce37606be582d60d9005318735105eb3), [If](file:///C:\Users\sai%20charan\AppData\Local\Temp\HVAC_subsystemfinal.html#mw_480ea7210ae7ff595a82f25004d069c6) |