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# 1.1 Channel arrangement for Dehumidifier without Cooling-Coil

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AI Port Low | | | | | |
| AI6 | **AI5** | **AI4** | **AI3** | **AI2** | AI1 |
| AirIn  Humidity | AirIn  Temperature | CWValve Feedback | DeFan Feedback | CirPump  Feedback | Desiccant  Flowrate |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AI Port High | | | | | |
| AI12 | **AI11** | **AI10** | **AI9** | **AI8** | AI7 |
| RSV | RSV | SolTank  Level | DeTank  Level | AirOut  Humidity | AirOut  Temperature |

|  |  |  |  |
| --- | --- | --- | --- |
| RTD Port | | | |
| RTD4 | RTD3 | RTD2 | RTD1 |
| CWaterOut  Temperature | CWaterIn  Temperature | DesiccantOut  Temperature | DesiccantIn  Temperature |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| AO Port | | | | | | | |
| AO8 | AO7 | AO6 | AO5 | AO4 | AO3 | AO2 | AO1 |
| RSV | RSV | RSV | RSV | RSV | CWater OpenSet | Fan  FreqSet | CirPump  FreqSet |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DI Port | | | | | | | |
| DI8 | DI7 | DI6 | DI5 | DI4 | DI3 | DI2 | DI1 |
| RSV | RSV | RSV | Remote  ONOFF | Faut  TfPump | Faut  Fan | Faut  Pump | Local/  Remote |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DO Port | | | | | | | |
| DO8 | DO7 | DO6 | DO5 | DO4 | DO3 | DO2 | DO1 |
| RSV | RSV | RSV | StrSol  Valve | Transfer Pump | VSD  Fan | VSD  Pump | Start |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg4 (DeAlarm) | | | | | | | |
| RSV | RSV | RSV | Tran | HighLevel | LowLevel | Cs | FlowRate |
|  |  |  | 16 | 8 | 4 | 2 | 1 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg | | | | | | | |
| Reg8 | Reg7 | Reg6 | Reg5 | Reg4 | Reg3 | Reg2 | Reg1 |
| SSLevel  High | Run  status | Panel  Control | Auto  Control | Device  Run | Alarm | SpTemp | SpHR |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg | | | | | | | |
| Reg16 | Reg15 | Reg14 | Reg13 | Reg12 | Reg11 | Reg10 | Reg9 |
| Ctrl  ParaD | Ctrl  ParaI | Ctrl  ParaP | DeS  Level  Low | DeS  Level  Opt | DeS  Level  Trasf | DeS  Level  High | SS  Level  Low |

# 1.2 Channel arrangement for Dehumidifier with Cooling-Coil

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AI Port Low | | | | | |
| AI6 | **AI5** | **AI4** | **AI3** | **AI2** | AI1 |
| AirIn  Humidity | AirIn  Temperature | CWValve Feedback | DeFan Feedback | CirPump  Feedback | Desiccant  Flowrate |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AI Port High | | | | | |
| AI12 | **AI11** | **AI10** | **AI9** | **AI8** | AI7 |
| RSV | RSV | SolTank  Level | DeTank  Level | AirOut  Humidity | AirOut  Temperature |

|  |  |  |  |
| --- | --- | --- | --- |
| RTD Port | | | |
| RTD4 | RTD3 | RTD2 | RTD1 |
| CWaterOut  Temperature | CWaterIn  Temperature | DesiccantOut  Temperature | DesiccantIn  Temperature |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| AO Port | | | | | | | |
| AO8 | AO7 | AO6 | AO5 | AO4 | AO3 | AO2 | AO1 |
| RSV | RSV | RSV | RSV | RSV | CWater OpenSet | Fan  FreqSet | CirPump  FreqSet |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DI Port | | | | | | | |
| DI8 | DI7 | DI6 | DI5 | DI4 | DI3 | DI2 | DI1 |
| RSV | RSV | RSV | Remote  ONOFF | Faut  TfPump | Faut  Fan | Faut  Pump | Local/  Remote |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DO Port | | | | | | | |
| DO8 | DO7 | DO6 | DO5 | DO4 | DO3 | DO2 | DO1 |
| RSV | RSV | RSV | StrSol  Valve | Transfer Pump | VSD  Fan | VSD  Pump | Start |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg4 (DeAlarm) | | | | | | | |
| RSV | RSV | RSV | Tran | HighLevel | LowLevel | Cs | FlowRate |
|  |  |  | 16 | 8 | 4 | 2 | 1 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg | | | | | | | |
| Reg8 | Reg7 | Reg6 | Reg5 | Reg4 | Reg3 | Reg2 | Reg1 |
| SSLevel  High | Run  status | Panel  Control | Auto  Control | Device  Run | Alarm | SpTemp | SpHR |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg | | | | | | | |
| Reg16 | Reg15 | Reg14 | Reg13 | Reg12 | Reg11 | Reg10 | Reg9 |
| Ctrl  ParaD | Ctrl  ParaI | Ctrl  ParaP | DeS  Level  Low | DeS  Level  Opt | DeS  Level  Trasf | DeS  Level  High | SS  Level  Low |

# 2.1 Channel arrangement of Regenerator Adjustable

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AI Port Low | | | | | |
| AI6 | **AI5** | **AI4** | **AI3** | **AI2** | AI1 |
| AirIn  Humidity | AirIn  Temperature | HWValve Feedback | ReFan Feedback | CirPump  Feedback | Desiccant  Flowrate |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AI Port High | | | | | |
| AI12 | **AI11** | **AI10** | **AI9** | **AI8** | AI7 |
| RSV | RSV | SolTank  Level | ReTank  Level | AirOut  Humidity | AirOut  Temperature |

|  |  |  |  |
| --- | --- | --- | --- |
| RTD Port | | | |
| RTD4 | RTD3 | RTD2 | RTD1 |
| HWaterOut  Temperature | HWaterIn  Temperature | DesiccantOut  Temperature | DesiccantIn  Temperature |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| AO Port | | | | | | | |
| AO8 | AO7 | AO6 | AO5 | AO4 | AO3 | AO2 | AO1 |
| RSV | RSV | RSV | RSV | RSV | HWater OpenSet | Fan  FreqSet | CirPump  FreqSet |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DI Port | | | | | | | |
| DI8 | DI7 | DI6 | DI5 | DI4 | DI3 | DI2 | DI1 |
| RSV | DETransFlag | RSV | Faut  TfPump | Remote  ONOFF | Faut  Fan | Faut  Pump | Local/  Remote |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DO Port | | | | | | | |
| DO8 | DO7 | DO6 | DO5 | DO4 | DO3 | DO2 | DO1 |
| RSV | HeatPump | TFValve | WeakSol  Valve | RSV | RE  Fan | RE  Pump | Start |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg3 (ReAlarm) | | | | | | | |
| RSV | RSV | RSV | Tran | HighLevel | LowLevel | Hs | FlowRate |
|  |  |  | 16 | 8 | 4 | 2 | 1 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg | | | | | | | |
| Reg8 | Reg7 | Reg6 | Reg5 | Reg4 | Reg3 | Reg2 | Reg1 |
| WkS  LevelAlarm | Run  status | Panel  Control | Auto  Control | Device  Run | Alarm | Delta  Con | Humidity  Ratio |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg | | | | | | | |
| Reg16 | Reg15 | Reg14 | Reg13 | Reg12 | Reg11 | Reg10 | Reg9 |
| RSV | SS  Level  High | SS  Level  Alarm | ReS  Level  Low | ReS  Level  Opt | ReS  Level  Trasf | ReS  Level  High | WkS  Level  High |

# 2.1 Channel arrangement of Regenerator Non-Adjustable

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AI Port Low | | | | | |
| AI6 | **AI5** | **AI4** | **AI3** | **AI2** | AI1 |
| SolTank  Level | ReTank  Level | AirIn  Humidity | AirIn  Temperature | AirOut  Humidity | AirOut  Temperature |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AI Port High | | | | | |
| AI12 | **AI11** | **AI10** | **AI9** | **AI8** | AI7 |
| RSV | RSV | RSV | RSV | AirOut  Humidity | DeLevel |

|  |  |  |  |
| --- | --- | --- | --- |
| RTD Port | | | |
| RTD4 | RTD3 | RTD2 | RTD1 |
| HWaterOut  Temperature | HWaterIn  Temperature | DesiccantOut  Temperature | DesiccantIn  Temperature |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| AO Port | | | | | | | |
| AO8 | AO7 | AO6 | AO5 | AO4 | AO3 | AO2 | AO1 |
| RSV | RSV | RSV | RSV | RSV | RSV | RSV | HWater OpenSet |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DI Port | | | | | | | |
| DI8 | DI7 | DI6 | DI5 | DI4 | DI3 | DI2 | DI1 |
| RSV | DETransFlag | RSV | Faut  TfPump | Remote  ONOFF | Faut  Fan | Faut  Pump | Local/  Remote |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DO Port | | | | | | | |
| DO8 | DO7 | DO6 | DO5 | DO4 | DO3 | DO2 | DO1 |
| RSV | RSV | Re\_alarm | Heatpump | TFValve | WeakSol  Valve | RE  Fan | RE  Pump |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg3 (ReAlarm) | | | | | | | |
| RSV | RSV | RSV | Tran | HighLevel | LowLevel | Hs | FlowRate |
|  |  |  | 16 | 8 | 4 | 2 | 1 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg | | | | | | | |
| Reg8 | Reg7 | Reg6 | Reg5 | Reg4 | Reg3 | Reg2 | Reg1 |
| WkS  LevelAlarm | Run  status | Panel  Control | Auto  Control | Device  Run | Alarm | Delta  Con | Humidity  Ratio |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reg | | | | | | | |
| Reg16 | Reg15 | Reg14 | Reg13 | Reg12 | Reg11 | Reg10 | Reg9 |
| RSV | SS  Level  High | SS  Level  Alarm | ReS  Level  Low | ReS  Level  Opt | ReS  Level  Trasf | ReS  Level  High | WkS  Level  High |