2020-09-07

## Cross Reference List of BACnet

If 0-10V-dampers wish to be modulated via BACnet, no relay box FENIX0-10V should be used and "Relay box is not used on damper" must be set as a binary value in no. 140-153 for the damper concerned.

Device ID: 254030
The BACnet device ID can be changed in the unit display.

| Type | No | Name | Description |
|---|---|---|---|
| Analog Value | 200 | Mod1_AnaOut1 | Analogue output, master, damper 1 |
| Analog Value | 201 | Mod1_AnaOut2 | Analogue output, master, damper 2 |
| Analog Value | 220 | DetectorStatus_1 | Detector loop 1, status (0=Ok,1=Service,2=Alarm, 3=Short circuit,4=Cable failure) |
| Analog Value | 221 | DetectorStatus_2 | Detector loop 2, status (0=Ok,1=Service,2=Alarm, 3=Short circuit,4=Cable failure) |
| Analog Value | 236 | NoOfDetectors | Total number of connected detector loops |
| Analog Value | 237 | NoOfDetAlarmed | Total number of alarmed detectors |
| Analog Value | 238 | NoOfDetService | Total number of detectors in status service |
| Analog Value | 239 | DamperConnected_1 | Damper 1 connected (0=No damper, 1=On/Off, 2=0-10V) |
| Analog Value | 240 | DamperConnected_2 | Damper 2 connected (0=No damper, 1=On/Off, 2=0-10V) |
| Analog Value | 255 | NoOfDampers | Total number of connected dampers |
| Analog Value | 256 | DamperStatus_1 | Damper 1 status (see description in documentation) |
| Analog Value | 257 | DamperStatus_2 | Damper 2 status (see description in documentation) |
| Analog Value | 272 | DamperErrorReason_1 | Damper 1 error reason (0=No error, 1=No open indication, 2=No close indication, 3=No open & close indication, 4=Both open & close indication, 5=No damper connected, 6=Overcurrent) |
| Analog Value | 273 | DamperErrorReason_2 | Damper 2 error reason (description on damper 1) |
| Analog Value | 288 | NoOfDamperError | Total number of dampers have status error |
| Analog Value | 289 | DamperSection_1 | Damper 1 in section, (0=no damper connected, 1=Section 1..) |
| Analog Value | 290 | DamperSection_2 | Damper 2 in section, (0=no damper connected, 1=Section 1..) |
| Analog Value | 305 | DetectorCloseSec_1 | Detector 1 closing damper section, bitmap: Bit 0=Section 1, Bit 1=Section 2, Bit 2=Section 3, Bit 3=Section 4, Bit 4-15, Spare |
| Analog Value | 306 | DetectorCloseSec_2 | Detector 2 closing damper section, bitmap (description on detector 1) |
| Analog Value | 321 | FuncTestLastTimeY | Date when last function test was started, Year (2dig) |
| Analog Value | 322 | FuncTestLastTimeM | Date when last function test was started, month |
| Analog Value | 323 | FuncTestLastTimeD | Date when last function test was started, date |
| Analog Value | 324 | FuncTestLastTimeH | Time when last function test was started, hour |
| Analog Value | 325 | FuncTestLastTimeMin | Time when last function test was started, minute |
| Analog Value | 326 | FuncTestTimeLeftDays | Time left to next function test, in days |
| Analog Value | 327 | FuncTestTimeLeft | Time left to next function test |
| Analog Value | 328 | FuncTestNextTimeY | Date when next function test will be started, year (2dig) |
| Analog Value | 329 | FuncTestNextTimeM | Date when next function test will be started, month |
| Analog Value | 330 | FuncTestNextTimeD | Date when next function test will be started, date |
| Analog Value | 331 | FuncTestNextTimeH | Time when next function test will be started, hour |
| Analog Value | 332 | FuncTestNextTimeMin | Time when next function test will be started, minute |
| Analog Value | 333 | FuncTestDateStatus | Function test date time, new date input status (0=Ok,1=bad,2=new test needed,3=Internal,4=new test started, 5=Internal, 6=Idle,7=Bad date new interval,8=Date unfilled new interval,9=Date ok new interva) |
| Analog Value | 334 | NoOfFuncTestDamper | Total number of dampers that have been function tested (zeroed on func test and then increase when dampers are tested) |

| | | | |
|---|---|---|---|
| Analog Value | 335 | NetworkAlarmReason | Network alarm reason (for future use) |
| Analog Value | 336 | InternalErrorReason | Internal alarm reason (0=Battery error, for future use) |
| Analog Value | 337 | DisplayOnline | Display communication status (0=Offline,1=Online) |
| Analog Value | 338 | Alarms | Alarms bit mapped; B0:SumAlarm, B1:Fire alarm, B2:External alarm, B3:Network error, B4:Internal error, B5:Service alarm, B11:Damper sum alarm, B12:Section 1 Fire, B13:Section 2 Fire, B14:Section 3 Fire, B15:Section 4 Fire |
| Analog Value | 339 | DetectorAlarms | Detector alarms bit mapped (bit 0=Detector 1) |
| Analog Value | 340 | DamperAlarms | Damper alarms bit mapped (bit 0=Damper 1) |
| Analog Value | 341 | System_Year | System date, year (0-99) |
| Analog Value | 342 | System_Month | System date, month (1-12) |
| Analog Value | 343 | System_Date | System date, date (1-31) |
| Analog Value | 344 | System_Hour | System time, hour (0-23) |
| Analog Value | 345 | System_Minute | System time, minute (0-59) |
| Analog Value | 346 | System_Sec | System time, second (0-59) |
| Analog Value | 347 | DamperSelect_1 | Damper manual control (0=Close, 1=Open, 2=Auto) |
| Analog Value | 348 | DamperSelect_2 | Damper manual control (0=Close, 1=Open, 2=Auto) |
| Analog Value | 363 | DamperSelectSection_1 | Damper manual control, section 1 (0=Close, 1=Open, 2=Auto, 3=Off sync, single damper in section is changed) |
| Analog Value | 367 | NightModeDamperSection_1 | Night mode section 1 (0=Off, 1=On, 2=Off sync, single damper in section is changed) |
| Analog Value | 371 | ModDamperOutput_1 | Modulating damper 1 output, in percent. (RelayBoxNotUsed_1 must be On to use) |
| Analog Value | 372 | ModDamperOutput_2 | Modulating damper 2 output, in percent. (RelayBoxNotUsed_2 must be On to use) (RelayBoxNotUsed_16 must be On to use) |
| Analog Value | 387 | FuncTestInterval | Interval between function test (0=24h,1=48h,2=Once a week, 3=Once every two weeks,4=Once a month (30days), 5=Once every six months) |
| Analog Value | 388 | FuncTestReqTimeM | Request Date and time when next function test will run, month (Check status in FuncTestDateStatus, commit time with FuncTestReqTimeCommit) |
| Analog Value | 389 | FuncTestReqTimeD | Request Date and time when next function test will run, day |
| Analog Value | 390 | FuncTestReqTimeH | Request Date and time when next function test will run, hour |
| Analog Value | 391 | FuncTestReqTimeMin | Request Date and time when next function test will run, minute |
| Analog Value | 392 | DamperDefRunTimeOpen | Damper max runtime open (seconds, one setting for all dampers) |
| Analog Value | 393 | DamperDefRunTimeClose | Damper max runtime close (seconds, one setting for all dampers) |
| Analog Value | 394 | NetworkIconOffDelay | Network icon off delay (seconds it take for the icon to turn off after last successful communication via modbus or BACnet) |
| | | | |
| Binary Value | 0 | Mod1_DigIn1 | Digital input, master, damper 1, open |
| Binary Value | 1 | Mod1_DigIn2 | Digital input, master, damper 2, open |
| Binary Value | 4 | Mod1_DigIn5 | Digital input, master, damper 1, closed |
| Binary Value | 5 | Mod1_DigIn6 | Digital input, master, damper 2, closed |
| Binary Value | 8 | Mod1_DigIn9 | Digital input, master, function test |
| Binary Value | 9 | Mod1_DigIn10 | Digital input, master, external alarm |
| Binary Value | 10 | Mod1_DigIn11 | Digital input, master, night mode |
| Binary Value | 35 | Mod1_DigOut1 | Digital Output, master, detector 1 |
| Binary Value | 36 | Mod1_DigOut2 | Digital Output, master, detector 2 |
| Binary Value | 39 | Mod1_DigOut5 | Digital Output, master, damper 1 |
| Binary Value | 40 | Mod1_DigOut6 | Digital Output, master, damper 2 |
| Binary Value | 43 | Mod1_DigOut9 | Digital Output, master, main alarm |

| | | | |
|---|---|---|---|
| Binary Value | 44 | Mod1_DigOut10 | Digital Output, master, detector service alarm |
| Binary Value | 45 | Mod1_DigOut11 | Digital Output, master, operation air handling unit |
| Binary Value | 70 | DetectorConnected_1 | Detector loop 1, connected |
| Binary Value | 71 | DetectorConnected_2 | Detector loop 2, connected |
| Binary Value | 86 | NightMode | Unit in nightmode (all dampers) |
| Binary Value | 87 | SumAlarm | SumAlarm (of all alarms incl service alarm) |
| Binary Value | 88 | FireAlarm | Fire alarm |
| Binary Value | 89 | ExternalAlarm | External alarm |
| Binary Value | 90 | NetworkAlarm | Network error alarm |
| Binary Value | 91 | InternalErrorAlarm | Internal error alarm |
| Binary Value | 92 | ServiceAlarm | Detector service sum alarm |
| Binary Value | 93 | DamperSumAlarm | Damper sum alarm |
| Binary Value | 94 | SectionA_Alarmed | Section 1, Fire alarm |
| Binary Value | 98 | BattFail | Battery voltage low, replace battery in controller |
| Binary Value | 99 | ExtAlarmCom | External alarm (0=alarm off, 1=alarm on) |
| Binary Value | 100 | ExtAlarmReset | Reset external alarm (if InputExtAlarm is hi and ExtAlarmCom is lo) |
| Binary Value | 101 | FuncTestRequest | Request Function test (on whole system) |
| Binary Value | 102 | FuncTestDamperSection_1 | Function test dampers, section 1 |
| Binary Value | 106 | FuncTestDamper_1 | Function test damper 1 |
| Binary Value | 107 | FuncTestDamper_2 | Function test damper 2 |
| Binary Value | 122 | FuncTestReqTimeCommit | Commit checked time (only works if FuncTestDateStatus is ok, may trigger a new functiontest if FuncTestDateStatus says so) |
| Binary Value | 123 | NightModeRequest | Request nightmode on whole system (0=Off, 1=On) |
| Binary Value | 124 | NightModeDamper_1 | Night mode damper 1 |
| Binary Value | 125 | NightModeDamper_2 | Night mode damper 2 |
| Binary Value | 140 | RelayBoxNotUsed_1 | Relay box not used on damper 1 |
| Binary Value | 141 | RelayBoxNotUsed_2 | Relay box not used on damper 2 |