# Management Information Base (MIB)

## InRow® Direct Expansion Air Conditioners

## ACRD600, ACRD601, ACRD602, ACRD600P, ACRD601P, ACRD602P

Schneider Electric

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# Cooling MIB Overview

The information in this document is compatible with all display firmware versions for InRow RD 600 mm units with the touch screen display interface.

## Self Describing

The Cooling MIB is self-describing in that only the general format of the information is described by the MIB. The actual application data is described by the data in the OIDs themselves. The user must walk the MIB to get information about the data that is available.

### General Organization

- OID Types
  - Analog: Data that has a continuous range of numeric values. Examples:
    - Temperature
    - Humidity
    - Cool setpoint
  - Discrete: Data that has discrete integer values that correspond to some functional. meaning. Examples:
    - Configuration type
    - Airflow control
    - Air filter type
  - String: Data that consists of text. Examples:
    - Name
    - Location
- Sections
  - About
    - Table Index: The static reference identifier for each table entry.
    - Description: A text description of the information presented in coolingUnitAboutValue.
    - Value: The actual value of the current table entry.
  - Status
    - Analog
      - Table Index: The static reference identifier for each table entry.
      - Description: A text description of the information presented in coolingUnitStatusAnalogValue.
      - Value: The scaled value of the current table entry (multiplied by coolingUnitStatusAnalogScale for integer presentation).
      - Units: The unit of measure by which coolingUnitStatusAnalogValue is expressed.
      - Scale: The factor by which coolingUnitStatusAnalogValue is expressed.
    - Discrete
      - Table Index: The static reference identifier for each table entry.
      - Description: A text description of the information presented in this table's 'value' OIDs.
      - Value As String: The actual value of the current table entry expressed as a string.
      - Value as Integer: The actual value of the current table entry expressed as an integer value.
      - Integer Reference Key: A complete listing of all possible coolingUnitStatusDiscreteValueAsInteger values paired with their identifying strings.
  - Configuration
    - Analog
      - Table Index: The static reference identifier for each table entry.
      - Description: A text description of the information presented in coolingUnitConfigurationAnalogValue.

- Value: The scaled value of the current table entry (multiplied by coolingUnitConfigurationAnalogScale for integer presentation).
- Units: The unit of measure by which coolingUnitConfigurationAnalogValue is expressed.
- Scale: The factor by which coolingUnitConfigurationAnalogValue is expressed.
- Access: A description of available access to coolingUnitConfigurationAnalogValue via SNMP client.
- Minimum: The minimum possible value of coolingUnitConfigurationAnalogValue.
- Maximum: The maximum possible value of coolingUnitConfigurationAnalogValue.

- Discrete
  - Table Index: The static reference identifier for each table entry.
  - Description: A text description of the information presented in this table's 'value' OIDs.
  - Value as String: The actual value of the current table entry expressed as a string.
  - Value as Integer: The actual value of the current table entry expressed as an integer value.
  - Integer Reference Key: A complete listing of all possible coolingUnitConfigurationDiscreteValueAsInteger values paired with their identifying strings.
  - Access: A description of available access to coolingUnitConfigurationDiscreteValueAsInteger via SNMP client.
- String
  - Table Index: The static reference identifier for each table entry.
  - Description: A text description of the information presented in coolingUnitConfigurationStringValue.
  - Value: The actual value of the current table entry.
  - Max Length: The maximum string length supported by coolingUnitConfigurationStringValue.
  - Access: A description of available access to coolingUnitConfigurationStringValue via SNMP client.

– Extended

The extended section of the MIB contains data that provides a higher level of detail for the advanced user.

- Analog
  - Table Index: The static reference identifier for each table entry.
  - Description: A text description of the information presented in coolingUnitExtendedAnalogValue.
  - Value: The scaled value of the current table entry (multiplied by coolingUnitExtendedAnalogScale for integer presentation).
  - Units: The unit of measure by which coolingUnitExtendedAnalogValue is expressed.
  - Scale: The factor by which coolingUnitExtendedAnalogValue is expressed.
- Discrete
  - Table Index: The static reference identifier for each table entry.
  - Description: A text description of the information presented in this table's 'value' OIDs.
  - Value as String: The actual value of the current table entry expressed as a string.
  - Value as Integer: The actual value of the current table entry expressed as an integer value.
  - Integer Reference Key: A complete listing of all possible coolingUnitExtendedDiscreteValueAsInteger values paired with their identifying strings.
- String
  - Table Index: The static reference identifier for each table entry.
  - Description: A text description of the information presented in coolingUnitExtendedStringValue.
  - Value: The actual value of the current table entry.

# InRow RD MIB Data Tables

## coolingUnitAboutTable

- Type: OBECT-TYPE
- OID: 1.3.6.1.4.1.318.1.1.27.1.3.2
- Full path:
  iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).apc(318).products(1).hardware(1).cooling(27).coolingUnit(1).coolingUnitAbout(3).coolingUnitAboutTable(2)
- Module:PowerNet-MIB
- Parent: coolingUnitAbout
- First child: coolingUnitAboutEntry
- Prev sibling: coolingUnitAboutTableSize
- Numerical syntax: Sequence
- Base syntax: SEQUENCE OF CoolingUnitAboutEntry
- Composed syntax: SEQUENCE OF CoolingUnitAboutEntry
- Status: mandatory
- Max access: not-accessible
- Sequences:
  1: coolingUnitAboutTableIndex - INTEGER (2 - integer (32 bit))
  2: coolingUnitAboutDescription - DisplayString (4 - octets)
  3: coolingUnitAboutValue - DisplayString (4 - octets)
- Description: A table of unit reference information.
- Table headings
  - Instance (1)
  - coolingUnitAboutTableIndex (IDX) (2)
  - coolingUnitAboutDescription (3)
  - coolingUnitAboutValue (4)

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| 1.1 | 1 | Model Number | IR25 |
| 1.2 | 2 | Serial Number | 0000 |
| 1.3 | 3 | Firmware Revision | 2.9.2 |
| 1.4 | 4 | Hardware Revision | 0000 |
| 1.5 | 5 | Name | ACRD2G simulator |
| 1.6 | 6 | Location | STL 3rd floor |
| 1.7 | 7 | Application Version | v6.3.4 |
| 1.8 | 8 | OS Version | v6.4.4 |
| 1.9 | 9 | APC Boot Monitor | v1.0.8 |
| 1.10 | 10 | Manufacture Date | 08/05/2016 |
| 1.11 | 11 | IP Address | 10.218.117.39 |
| 1.12 | 12 | IP Address | :: |
| 1.13 | 13 | Unique ID | 2E.92.FD.32.31.4A.08 |

# coolingUnitStatusAnalogTable

- Type: OBJECT-TYPE
- OID: 1.3.6.1.4.1.318.1.1.27.1.4.1.2
- Full path:iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).apc(318).products (1).hardware(1).cooling(27).coolingUnit(1).coolingUnitStatus(4).coolingUnitStatusAnalog (1).coolingUnitStatusAnalogTable(2)
- Module: PowerNet-MIB
- Parent: coolingUnitStatusAnalog
- First child: coolingUnitStatusAnalogEntry
- Prev sibling: coolingUnitStatusAnalogTableSize
- Numerical syntax: Sequence
- Base syntax: SEQUENCE OF CoolingUnitStatusAnalogEntry
- Composed syntax: SEQUENCE OF CoolingUnitStatusAnalogEntry
- Status: mandatory
- Max access: not-accessible
- Sequences:
  1.coolingUnitStatusAnalogTableIndex - INTEGER (2 - integer (32 bit))
  2.coolingUnitStatusAnalogDescription - DisplayString (4 - octets)
  3.coolingUnitStatusAnalogValue - INTEGER (2 - integer (32 bit))
  4.coolingUnitStatusAnalogUnits - DisplayString (4 - octets)
  5.coolingUnitStatusAnalogScale - INTEGER (2 - integer (32 bit))
- Description: A table of analog unit status data.
- Table headings
  – Instance (1)
  – coolingUnitStatusAnalogTableIndex (IDX) (2)
  – coolingUnitStatusAnalogDescription (3)
  – coolingUnitStatusAnalogValue (4)
  – coolingUnitStatusAnalogUnits (5)
  – coolingUnitStatusAnalogScale (6)

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 1.1 | 1 | Unit Maximum Rack Inlet Temperature | 857 | F | 10 |
| 1.2 | 2 | Unit Maximum Rack Inlet Temperature | 298 | C | 10 |
| 1.3 | 3 | Airflow | 14070 | CFM | 10 |
| 1.4 | 4 | Airflow | 6640 | L/s | 10 |
| 1.5 | 5 | Fan Speed | 1000 | % | 10 |
| 1.6 | 6 | Supply Air Temperature | 711 | F | 10 |
| 1.7 | 7 | Supply Air Temperature | 217 | C | 10 |
| 1.8 | 8 | Return Air Temperature | 900 | F | 10 |
| 1.9 | 9 | Return Air Temperature | 322 | C | 10 |
| 1.10 | 10 | Supply Humidity | 0 | %RH | 10 |
| 1.11 | 11 | Return Humidity | 0 | %RH | 10 |
| 1.12 | 12 | Cool Demand | 281 | kW | 10 |
| 1.13 | 13 | Cool Output | 270 | kW | 10 |
| 1.14 | 14 | Reheat Output | 95 | % | 1 |
| 1.15 | 15 | Reheat Demand | 95 | % | 1 |

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 1.16 | 16 | Dehumidify Output | 100 | % | 1 |
| 1.17 | 17 | Dehumidify Demand | 100 | % | 1 |
| 1.18 | 18 | Humidify Output | 77 | % | 1 |
| 1.19 | 19 | Humidify Demand | 85 | % | 1 |
| 1.20 | 20 | Suction Temperature | 250 | C | 10 |
| 1.21 | 21 | Suction Temperature | 770 | F | 10 |
| 1.22 | 22 | Suction Pressure | 1300 | psi | 10 |
| 1.23 | 23 | Suction Pressure | 8963 | kPa | 10 |
| 1.24 | 24 | Discharge Pressure | 4000 | psi | 10 |
| 1.25 | 25 | Discharge Pressure | 27579 | kPa | 10 |
| 1.26 | 26 | Delta-T | 189 | F | 10 |
| 1.27 | 27 | Delta-T | 105 | C | 10 |
| 1.28 | 28 | Filter Differential Pressure | 0 | in. WC | 100 |
| 1.29 | 29 | Filter Differential Pressure | 0 | Pa | 100 |
| 1.30 | 30 | Rack Inlet Temperature 1 | 740 | F | 10 |
| 1.31 | 31 | Rack Inlet Temperature 1 | 233 | C | 10 |
| 1.32 | 32 | Rack Inlet Temperature 2 | 750 | F | 10 |
| 1.33 | 33 | Rack Inlet Temperature 2 | 239 | C | 10 |
| 1.34 | 34 | Rack Inlet Temperature 3 | 760 | F | 10 |
| 1.35 | 35 | Rack Inlet Temperature 3 | 244 | C | 10 |
| 1.36 | 36 | Unit Run Hrs | 0 | hr | 1 |
| 1.37 | 37 | Compressor Run Hrs | 112 | hr | 1 |
| 1.38 | 38 | Humidifier Run Hrs | 0 | hr | 1 |
| 1.39 | 39 | Condensate Pump Run Hrs | 0 | hr | 1 |
| 1.40 | 40 | Evap Fan 1 Run Hrs | 116 | hr | 1 |
| 1.41 | 41 | Evap Fan 2 Run Hrs | 116 | hr | 1 |
| 1.42 | 42 | Heater 1 Run Hrs | 0 | hr | 1 |
| 1.43 | 43 | Heater 2 Run Hrs | 0 | hr | 1 |
| 1.44 | 44 | Air Filter Run Hrs | 116 | hr | 1 |
| 1.45 | 45 | Group Maximum Rack Inlet Temperature | 857 | F | 10 |
| 1.46 | 46 | Group Maximum Rack Inlet Temperature | 298 | C | 10 |
| 1.47 | 47 | Group Minimum Rack Inlet Temperature | 456 | F | 10 |
| 1.48 | 48 | Group Minimum Rack Inlet Temperature | 76 | C | 10 |
| 1.49 | 49 | Dew Point Temperature | 260 | F | 10 |
| 1.50 | 50 | Dew Point Temperature | –33 | C | 10 |
| 1.51 | 51 | Group Airflow | 14070 | CFM | 10 |
| 1.52 | 52 | Group Airflow | 6640 | L/s | 10 |
| 1.53 | 53 | Group Cool Demand | 281 | kW | 10 |
| 1.54 | 54 | Group Cool Output | 270 | kW | 10 |
| 1.55 | 55 | Group Reheat Output | 95 | % | 10 |
| 1.56 | 56 | Group Reheat Demand | 95 | % | 1 |
| 1.57 | 57 | Group Dehumidify Output | 100 | % | 1 |
| 1.58 | 58 | Group Dehumidify Demand | 100 | % | 1 |
| 1.59 | 59 | Group Humidify Output | 77 | % | 1 |
| 1.60 | 60 | Group Humidify Demand | 85 | % | 1 |

# coolingUnitStatusDiscreteTable

- Type: OBJECT-TYPE
- OID: 1.3.6.1.4.1.318.1.1.27.1.4.2.2
- Full path:iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).apc(318).products (1).hardware(1).cooling(27).coolingUnit(1).coolingUnitStatus(4).coolingUnitStatusDiscrete (2).coolingUnitStatusDiscreteTable(2)
- Module: PowerNet-MIB
- Parent: coolingUnitStatusDiscrete
- First child: coolingUnitStatusDiscreteEntry
- Prev sibling: coolingUnitStatusDiscreteTableSize
- Numerical syntax: Sequence
- Base syntax: SEQUENCE OF CoolingUnitStatusDiscreteEntry
- Composed syntax: SEQUENCE OF CoolingUnitStatusDiscreteEntry
- Status: mandatory
- Max access: not-accessible
- Sequences:
  1.coolingUnitStatusDiscreteTableIndex - INTEGER (2 - integer (32 bit))
  2.coolingUnitStatusDiscreteDescription - DisplayString (4 - octets)
  3.coolingUnitStatusDiscreteValueAsString - DisplayString (4 - octets)
  4.coolingUnitStatusDiscreteValueAsInteger - INTEGER (2 - integer (32 bit))
  5.coolingUnitStatusDiscreteIntegerReferenceKey - DisplayString (4 - octets)
- Description: A table of discrete unit status data.
- Table headings:
  – Instance (1)
  – coolingUnitStatusDiscreteTableIndex (2)
  – coolingUnitStatusDiscreteDescription (3)
  – coolingUnitStatusDiscreteValueAsString (4)
  – coolingUnitStatusDiscreteValueAsInteger (5)
  – coolingUnitStatusDiscreteIntegerReferenceKey (6)

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 1.1 | 1 | On / Standby | On | 1 | Standby(0), On(1) |
| 1.2 | 2 | Operating Mode | Idle | 2 | Standby(0), On(1), Idle(2), Prestart(3), Backup(4), Load Assist(5) |
| 1.3 | 3 | Standby Input State | Open | 0 | Open(0), Closed(1) |
| 1.4 | 4 | Output State | Open | 0 | Open(0), Closed(1) |
| 1.5 | 5 | Active Flow Control Status | NA | 3 | Under(0), Okay(1), Over(2), NA(3) |

# coolingUnitConfigurationAnalogTable

- Type: OBJECT-TYPE
- OID: 1.3.6.1.4.1.318.1.1.27.1.5.1.2
- Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).apc(318).products (1).hardware(1).cooling(27).coolingUnit(1).coolingUnitConfiguration(5).coolingUnitConfigurationAnalog (1).coolingUnitConfigurationAnalogTable(2)
- Module: PowerNet-MIB
- Parent: coolingUnitConfigurationAnalog
- First child: coolingUnitConfigurationAnalogEntry
- Prev sibling: coolingUnitConfigurationAnalogTableSize
- Numerical syntax: Sequence
- Base syntax: SEQUENCE OF CoolingUnitConfigurationAnalogEntry
- Composed syntax: SEQUENCE OF CoolingUnitConfigurationAnalogEntry
- Status: mandatory
- Max access: not-accessible
- Sequences:
  1.coolingUnitConfigurationAnalogTableIndex - INTEGER (2 - integer (32 bit))
  2.coolingUnitConfigurationAnalogDescription - DisplayString (4 - octets)
  3.coolingUnitConfigurationAnalogValue - INTEGER (2 - integer (32 bit))
  4.coolingUnitConfigurationAnalogUnits - DisplayString (4 - octets)
  5.coolingUnitConfigurationAnalogScale - INTEGER (2 - integer (32 bit))
  6.coolingUnitConfigurationAnalogAccess - INTEGER (2 - integer (32 bit))
  7.coolingUnitConfigurationAnalogMinimum - INTEGER (2 - integer (32 bit))
  8.coolingUnitConfigurationAnalogMaximum - INTEGER (2 - integer (32 bit))
- Description: A table of analog unit configuration data.
- Table headings:
  – Instance (1)
  – coolingUnitConfigurationAnalogTableIndex (2)
  – coolingUnitConfigurationAnalogDescription (3)
  – coolingUnitConfigurationAnalogValue (4)
  – coolingUnitConfigurationAnalogUnits (5)
  – coolingUnitConfigurationAnalogScale (6)
  – coolingUnitConfigurationAnalogAccess (7)
  – coolingUnitConfigurationAnalogMinimum (8)
  – coolingUnitConfigurationAnalogMaximum (9)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| 1.1 | 1 | Rack Inlet High Temperature Threshold | 781 | F | 10 | readWrite(2) | 320 | 2120 |
| 1.2 | 2 | Rack Inlet High Temperature Threshold | 256 | C | 10 | readWrite(2) | 0 | 1000 |
| 1.3 | 3 | Supply Air High Temperature Threshold | 770 | F | 10 | readWrite(2) | 320 | 2120 |
| 1.4 | 4 | Supply Air High Temperature Threshold | 250 | C | 10 | readWrite(2) | 0 | 1000 |
| 1.5 | 5 | Return Air High Temperature Threshold | 1040 | F | 10 | readWrite(2) | 320 | 2120 |
| 1.6 | 6 | Return Air High Temperature Threshold | 400 | C | 10 | readWrite(2) | 0 | 1000 |
| 1.7 | 7 | Return Humidity Low Threshold | 300 | %RH | 10 | readWrite(2) | 200 | 500 |
| 1.8 | 8 | Return Humidity High Threshold | 700 | %RH | 10 | readWrite(2) | 350 | 900 |
| 1.9 | 9 | Cool Setpoint | 800 | F | 10 | readWrite(2) | 644 | 950 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| 1.10 | 10 | Cool Setpoint | 267 | C | 10 | readWrite(2) | 180 | 350 |
| 1.11 | 11 | Maximum Fan Speed | 100 | % | 1 | readWrite(2) | 60 | 100 |
| 1.12 | 12 | Supply Air Setpoint | 680 | F | 10 | readWrite(2) | 590 | 864 |
| 1.13 | 13 | Supply Air Setpoint | 200 | C | 10 | readWrite(2) | 150 | 302 |
| 1.14 | 14 | Reheat Setpoint | 572 | F | 10 | readWrite(2) | 500 | 644 |
| 1.15 | 15 | Reheat Setpoint | 140 | C | 10 | readWrite(2) | 100 | 180 |
| 1.16 | 16 | Dehumidify Setpoint | 550 | %RH | 10 | readWrite(2) | 350 | 800 |
| 1.17 | 17 | Dehumidify Deadband | 5 | %RH | 1 | readWrite(2) | 2 | 10 |
| 1.18 | 18 | Humidify Setpoint | 500 | %RH | 10 | readWrite(2) | 200 | 500 |
| 1.19 | 19 | Humidify Sensitivity Band | 10 | %RH | 1 | readWrite(2) | 1 | 10 |
| 1.20 | 20 | Cool Gain’P’ | 10593 | (zero-length) | 100 | readOnly(1) | 0 | 25595 |
| 1.21 | 21 | Cool Derivative ‘D’ | 0 | (zero-length) | 100 | readOnly(1) | 0 | 25595 |
| 1.22 | 22 | Cool Reset Rate ‘I’ | 5850 | (zero-length) | 100 | readOnly(1) | 0 | 25595 |
| 1.23 | 23 | Reheat Gain ‘P’ | 2000 | (zero-length) | 100 | readOnly(1) | 0 | 25595 |
| 1.24 | 24 | Reheat Derivative ‘D’ | 0 | (zero-length) | 100 | readOnly(1) | 0 | 25595 |
| 1.25 | 25 | Reheat Reset Rate ‘I’ | 0 | (zero-length) | 100 | readOnly(1) | 0 | 25595 |
| 1.26 | 26 | Dehumidifying Gain ‘P’ | 1 | (zero-length) | 100 | readOnly(1) | 0 | 25595 |
| 1.27 | 27 | Dehumidifying Derivative ‘D’ | 2 | (zero-length) | 100 | readOnly(1) | 0 | 25595 |
| 1.28 | 28 | Dehumidifying Reset Rate ‘I’ | 1 | (zero-length) | 100 | readOnly(1) | 0 | 25595 |
| 1.29 | 29 | Startup Delay | 0 | sec | 1 | readWrite(2) | 0 | 999 |
| 1.30 | 30 | Air Filter Service Interval | 52 | weeks | 1 | readWrite(2) | 1 | 300 |
| 1.31 | 31 | Compressor Service Alarm Interval | 300 | weeks | 1 | readWrite(2) | 1 | 300 |
| 1.32 | 32 | Fans Service Alarm Intervale | 52 | weeks | 1 | readWrite(2) | 1 | 300 |
| 1.33 | 33 | Condensate Pump Service Alarm Interval | 52 | weeks | 1 | readWrite(2) | 1 | 300 |
| 1.34 | 34 | Heater Service Alarm Interval | 52 | weeks | 1 | readWrite(2) | 1 | 300 |
| 1.35 | 35 | Humidifier Service Alarm Interval | 52 | weeks | 1 | readWrite(2) | 1 | 300 |
| 1.36 | 36 | Altitude | 1230 | ft | 1 | readWrite(2) | 0 | 7500 |
| 1.37 | 37 | Altitude | 375 | m | 1 | readWrite(2) | 0 | 2286 |

# coolingUnitConfigurationDiscreteTable

- Type: OBJECT-TYPE
- OID: 1.3.6.1.4.1.318.1.1.27.1.5.2.2
- Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).apc(318).products (1).hardware(1).cooling(27).coolingUnit(1).coolingUnitConfiguration(5).coolingUnitConfigurationDiscrete (2).coolingUnitConfigurationDiscreteTable(2)
- Module: PowerNet-MIB
- Parent: coolingUnitConfigurationDiscrete
- First child: coolingUnitConfigurationDiscreteEntry
- Prev sibling: coolingUnitConfigurationDiscreteTableSize
- Numerical syntax: Sequence
- Base syntax: SEQUENCE OF CoolingUnitConfigurationDiscreteEntry
- Composed syntax: SEQUENCE OF CoolingUnitConfigurationDiscreteEntry
- Status: mandatory
- Max access: not-accessible
- Sequences:
  1.coolingUnitConfigurationDiscreteTableIndex - INTEGER (2 - integer (32 bit))
  2.coolingUnitConfigurationDiscreteDescription - DisplayString (4 - octets)
  3.coolingUnitConfigurationDiscreteValueAsString - DisplayString (4 - octets)
  4.coolingUnitConfigurationDiscreteValueAsInteger - INTEGER (2 - integer (32 bit))
  5.coolingUnitConfigurationDiscreteIntegerReferenceKey - DisplayString (4 - octets)
  6.coolingUnitConfigurationDiscreteAccess - INTEGER(2 - integer (32 bit))
- Description: A table of discrete unit configuration data.
- Table headings:
  – Instance (1)
  – coolingUnitConfigurationDiscreteTableIndex (2)
  – coolingUnitConfigurationDiscreteDescription (3)
  – coolingUnitConfigurationDiscreteValueAsString (4)
  – coolingUnitConfigurationDiscreteValueAsInteger (5)
  – coolingUnitConfigurationDiscreteIntegerReferenceKey (6)
  – coolingUnitConfigurationDiscreteAccess (7)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|
| 1.2 | 2 | Cool Capacity | Automatic | 0 | Automatic(0), Maximum(1) | readWrite(2) |
| 1.3 | 3 | Idle on Leak Detect | Yes | 0 | Yes(0), No(1) | readWrite(2) |
| 1.4 | 4 | Idle on Cool Fail | Yes | 0 | Yes(0), No(1) | readWrite(2) |
| 1.5 | 5 | Standby Input Normal State | Open | 0 | Open(0), Closed(1) | readWrite(2) |
| 1.6 | 6 | Output Contact Normal State | Open | 0 | Open(0), Closed(1) | readWrite(2) |
| 1.7 | 7 | Output Source | Any Alarm | 0 | AnyAlarm(0), Only CriticalAlarms(1) | readWrite(2) |
| 1.8 | 8 | Air Filter Service Alarm Enable | Enable | 0 | Enable(0), Disable(1) | readWrite(2) |
| 1.10 | 10 | Compressor Service Alarm Enable | Disable | 1 | Enable(0), Disable(1) | readWrite(2) |
| 1.12 | 12 | Fans Service Alarm Enable | Disable | 1 | Enable(0), Disable(1) | readWrite(2) |
| 1.14 | 14 | Condensate Pump Service Alarm Enable | Disable | 1 | Enable(0), Disable(1) | readWrite(2) |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|
| 1.16 | 16 | Heater Service Alarm Enable | Disable | 1 | Enable(0), Disable(1) | readWrite(2) |
| 1.18 | 18 | Humidifier Service Alarm Enable | Enable | 0 | Enable(0), Disable(1) | readWrite(2) |
| 1.20 | 20 | Humidify Enable | Enable | 0 | Enable(0), Disable(1) | readWrite(2) |
| 1.21 | 21 | Humidifier Control | Auto | 1 | Auto(1), Drain(2) | readWrite(2) |
| 1.22 | 22 | Dehumidify Enable | Disable | 0 | Disable(0), Enable(1) | readWrite(2) |
| 1.23 | 23 | Reheat Enable | Enable | 0 | Enable(0), Disable(1) | readWrite(2) |
| 1.24 | 24 | Heat Assist Enable | Enable | 1 | Disable(0), Enable(1) | readWrite(2) |
| 1.25 | 25 | Air Flow Control | Manual | 1 | Automatic(0), Manual(1) | readWrite(2) |
| 1.26 | 26 | Unit ID | 1 | 1 | <0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5),<0C>(6),<0C>(7),<0C>(8),<0C>(9),<0C>(10),<0C>(11),<0C>(12) | readWrite(2) |
| 1.27 | 27 | Protect On/Standby | Disable | 0 | Disable(0), Enable(1) | readOnly(1) |
| 1.28 | 28 | Unit Role Override | Automatic | 0 | Automatic(0), Forced On(1) | readWrite(2) |
| 1.29 | 29 | Number of Units in Group | 1 | 1 | <0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5),<0C>(6),<0C>(7),<0C>(8),<0C>(9),<0C>(10),<0C>(11),<0C>(12) | readWrite(2) |
| 1.30 | 30 | Number of Backup Units | 0 | 0 | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5),<0C>(6),<0C>(7),<0C>(8),<0C>(9),<0C>(10),<0C>(11) | readWrite(2) |
| 1.31 | 31 | Number of Precision Units | 0 | 0 | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5),<0C>(6),<0C>(7),<0C>(8),<0C>(9),<0C>(10),<0C>(11) | readWrite(2) |
| 1.34 | 34 | Fan Speed Preference | Medium | 2 | Low(0), MediumLow(1), Medium(2), Medium High(3), High(4) | readWrite(2) |
| 1.35 | 35 | Run-Time Balancing Enable | Disable | 0 | Disable(0), Enable(1) | readWrite(2) |
| 1.36 | 36 | Load Assist Enable | Disable | 0 | Disable(0), Enable(1) | readWrite(2) |
| 1.37 | 37 | Configuration Type | In-Row | 2 | RACS(0), HACS(1), In-Row(2), CACS(3) | readWrite(2) |
| 1.38 | 38 | Number of Active Flow Controllers | 1 | 1 | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5) | readOnly(1) |
| 1.39 | 39 | Active Flow Control Bias | Positive | 0 | Positive(0), Slightly Positive(1), Zero(2), Slightly Negative(3), Negative(4) | readOnly(1) |
| 1.40 | 40 | Active Flow Control Lamp Test | Off | 0 | Off(0),On(1) | readOnly(1) |
| 1.45 | 45 | Air Filter Type | Standard | 0 | Standard(0),High Efficiency(1) | readWrite(2) |

# coolingUnitConfigurationStringTable

- Type: OBJECT-TYPE
- OID: 1.3.6.1.4.1.318.1.1.27.1.5.3.2
- Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).apc(318).products (1).hardware(1).cooling(27).coolingUnit(1).coolingUnitConfiguration(5).coolingUnitConfigurationString (3).coolingUnitConfigurationStringTable(2)
- Module: PowerNet-MIB
- Parent: coolingUnitConfigurationString
- First child: coolingUnitConfigurationStringEntry
- Prev sibling: coolingUnitConfigurationStringTableSize
- Numerical syntax: Sequence
- Base syntax: SEQUENCE OF CoolingUnitConfigurationStringEntry
- Composed syntax: SEQUENCE OF CoolingUnitConfigurationStringEntry
- Status: mandatory
- Max access: not-accessible
- Sequences:
  1.coolingUnitConfigurationStringTableIndex - INTEGER (2 - integer (32 bit))
  2.coolingUnitConfigurationStringDescription - DisplayString (4 - octets)
  3.coolingUnitConfigurationStringValue - DisplayString (4 - octets)
  4.coolingUnitConfigurationStringMaxLength - INTEGER (2 - integer (32 bit))
  5.coolingUnitConfigurationStringAccess - INTEGER (2 - integer (32 bit))
- Description: A table of unit configuration strings.
- Table headings:
  – Instance (1)
  – coolingUnitConfigurationStringTableIndex (2)
  – coolingUnitConfigurationStringDescription (3)
  – coolingUnitConfigurationStringValue (4)
  – coolingUnitConfigurationStringMaxLength (5)
  – coolingUnitConfigurationStringAccess (6)

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 1.1 | 1 | Name | ACRD2G simulator | 255 | readWrite(2) |
| 1.2 | 2 | Location | STL 3rd floor | 255 | readWrite(2) |

# coolingUnitExtendedAnalogTable

- Type: OBJECT-TYPE
- OID: 1.3.6.1.4.1.318.1.1.27.1.6.1.2
- Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).apc(318).products (1).hardware(1).cooling(27).coolingUnit(1).coolingUnitExtended(6).coolingUnitExtendedAnalog (1).coolingUnitExtendedAnalogTable(2)
- Module: PowerNet-MIB
- Parent: coolingUnitExtendedAnalog
- First child: coolingUnitExtendedAnalogEntry
- Prev sibling: coolingUnitExtendedAnalogTableSize
- Numerical syntax: Sequence
- Base syntax: SEQUENCE OF CoolingUnitExtendedAnalogEntry
- Composed syntax: SEQUENCE OF CoolingUnitExtendedAnalogEntry
- Status: mandatory
- Max access: not-accessible
- Sequences:
  1.coolingUnitExtendedAnalogTableIndex - INTEGER (2 - integer (32 bit))
  2.coolingUnitExtendedAnalogDescription - DisplayString (4 - octets)
  3.coolingUnitExtendedAnalogValue - INTEGER(2 - integer (32 bit))
  4.coolingUnitExtendedAnalogUnits - DisplayString (4 - octets)
  5.coolingUnitExtendedAnalogScale - INTEGER(2 - integer (32 bit))
- Description: A table of secondary analog data for the cooling unit or one of its components.
- Table headings:
  – Instance (1)
  – coolingUnitExtendedAnalogTableIndex (2)
  – coolingUnitExtendedAnalogDescription (3)
  – coolingUnitExtendedAnalogValue (4)
  – coolingUnitExtendedAnalogUnits (5)
  – coolingUnitExtendedAnalogScale (6)

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 1.1 | 1 | Speed | 250 | Hz | 10 |
| 1.2 | 2 | Power | 8 | kW | 100 |
| 1.3 | 3 | Voltage | 3200 | V | 10 |
| 1.4 | 4 | Current | 2500 | A | 100 |
| 1.5 | 5 | DC Link Voltage | 480 | V | 1 |
| 1.6 | 6 | Heat Sink Temperature | 680 | F | 10 |
| 1.7 | 7 | Heat Sink Temperature | 200 | C | 10 |
| 1.8 | 8 | Control Card Temperature | 680 | F | 10 |
| 1.9 | 9 | Control Card Temperature | 200 | C | 10 |
| 1.10 | 10 | Humidifier Current | 1253 | A | 10 |
| 1.11 | 11 | Humidifier Water Conductivity | 4 | uS/cm | 1 |

# coolingUnitExtendedDiscreteTable

- Type: OBJECT-TYPE
- OID: 1.3.6.1.4.1.318.1.1.27.1.6.2.2
- Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).apc(318).products (1).hardware(1).cooling(27).coolingUnit(1).coolingUnitExtended(6).coolingUnitExtendedDiscrete (2).coolingUnitExtendedDiscreteTable(2)
- Module: PowerNet-MIB
- Parent: coolingUnitExtendedDiscrete
- First child: coolingUnitExtendedDiscreteEntry
- Prev sibling: coolingUnitExtendedDiscreteTableSize
- Numerical syntax: Sequence
- Base syntax: SEQUENCE OF CoolingUnitExtendedDiscreteEntry
- Composed syntax: SEQUENCE OF CoolingUnitExtendedDiscreteEntry
- Status: mandatory
- Max access: not-accessible
- Sequences:
  1.coolingUnitExtendedDiscreteTableIndex - INTEGER (2 - integer (32 bit))
  2.coolingUnitExtendedDiscreteDescription - DisplayString (4 - octets)
  3.coolingUnitExtendedDiscreteValueAsString - DisplayString (4 - octets)
  4.coolingUnitExtendedDiscreteValueAsInteger - INTEGER (2 - integer (32 bit))
  5.coolingUnitExtendedDiscreteIntegerReferenceKey - DisplayString (4 - octets)
- Description: A table of secondary discrete cooling unit data.
- Table headings:
  – Instance (1)
  – coolingUnitExtendedDiscreteTableIndex (2)
  – coolingUnitExtendedDiscreteDescription (3)
  – coolingUnitExtendedDiscreteValueAsString (4)
  – coolingUnitExtendedDiscreteValueAsInteger (5)
  – coolingUnitExtendedDiscreteIntegerReferenceKey (6)

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 1.1 | 1 | Software Version | 3.02 | Not available | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5) |
| 1.2 | 2 | Software ID | SW:03.02 EE:01.00 | Not available | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5),<0C>(6),<0C>(7),<0C>(8),<0C>(9),<0C>(10),<0C>(11),<0C>(12),<0C>(13),<0C>(14),<0C>(15),<0C>(16),<0C>(17),<0C>(18),<0C>(19),<0C>(20) |
| 1.3 | 3 | Serial Number | 017206G104 | Not available | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5),<0C>(6),<0C>(7),<0C>(8),<0C>(9),<0C>(10) |
| 1.4 | 4 | Alarm Status | 0000000 | Not available | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5),<0C>(6),<0C>(7),<0C>(8),<0C>(9) |
| 1.5 | 5 | Warning Status | 0000800 | Not available | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5),<0C>(6),<0C>(7),<0C>(8),<0C>(9) |

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 1.6 | 6 | Alarm History | 00000000 00000000 00000000 | Not available | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5),<0C>(6),<0C>(7),<0C>(8),<0C>(9),<0C>(10),<0C>(11),<0C>(12),<0C>(13),<0C>(14),<0C>(15),<0C>(16),<0C>(17),<0C>(18),<0C>(19),<0C>(20),<0C>(21),<0C>(22),<0C>(23),<0C>(24),<0C>(25),<0C>(26),<0C>(27),<0C>(28),<0C>(29),<0C>(30),<0C>(31),<0C>(32),<0C>(33),<0C>(34),<0C>(35),<0C>(36),<0C>(37),<0C>(38),<0C>(39),<0C>(40),<0C>(41),<0C>(42),<0C>(43),<0C>, |
| 1.7 | 7 | Warning History | 00000000 00000000 00000000 | Not available | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5),<0C>(6),<0C>(7),<0C>(8),<0C>(9),<0C>(10),<0C>(11),<0C>(12),<0C>(13),<0C>(14),<0C>(15),<0C>(16),<0C>(17),<0C>(18),<0C>(19),<0C>(20),<0C>(21),<0C>(22),<0C>(23),<0C>(24),<0C>(25),<0C>(26),<0C>(27),<0C>(28),<0C>(29),<0C>(30),<0C>(31),<0C>(32),<0C>(33),<0C>(34),<0C>(35),<0C>(36),<0C>(37),<0C>(38),<0C>(39),<0C>(40),<0C>(41),<0C>(42),<0C>(43),<0C>, |
| 1.8 | 8 | Humidifier Software Release | 1.7 | Not available | <0C>(0),<0C>(1),<0C>(2),<0C>(3),<0C>(4),<0C>(5) |

# coolingUnitExtendedStringTable

- Type: OBJECT-TYPE
- OID: 1.3.6.1.4.1.318.1.1.27.1.6.3.2
- Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).apc(318).products (1).hardware(1).cooling(27).coolingUnit(1).coolingUnitExtended(6).coolingUnitExtendedString (3).coolingUnitExtendedStringTable(2)
- Module: PowerNet-MIB
- Parent: coolingUnitExtendedString
- First child: coolingUnitExtendedStringEntry
- Prev sibling: coolingUnitExtendedStringTableSize
- Numerical syntax: Sequence
- Base syntax: SEQUENCE OF CoolingUnitExtendedStringEntry
- Composed syntax: SEQUENCE OF CoolingUnitExtendedStringEntry
- Status: mandatory
- Max access: not-accessible
- Sequences:
  1. coolingUnitExtendedStringTableIndex - INTEGER (2 - integer (32 bit))
  2. coolingUnitExtendedStringDescription - DisplayString (4 - octets)
  3. coolingUnitExtendedStringValue - DisplayString (4 - octets)
- Description: A table of secondary unit reference data.
- Table headings:
  - Instance (1)
  - coolingUnitExtendedStringTableIndex (2)
  - coolingUnitExtendedStringDescription (3)
  - coolingUnitExtendedStringValue (4)

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