

RELEASE NOTES for ACRC100 Series InRow Air Conditioners

www.schneider-electric.com

Release Notes (990-2965N-EN.txt)

Revised: January, 2018

Affected Revision Levels:

apc_hw03_aos_392.bin	Network Management Card Operating System & TCP/IP Stack
apc_hw03_acrc_380.bin	InRow RC Application
powernet425.mib	PowerNet(R) SNMP Management Information Base (MIB)
990-4744	Modbus Register Map
3.27.0	InRow RC Controller Firmware for XA (Automatic)
7.5.0	InRow RC Controller Firmware for R2 (Automatic)
1.5	Powerview Display (Automatic)
1.9.0	Active Flow Controller (Automatic)

For details on upgrading the InRow RC air conditioner firmware, see the InRow RC Operation and Maintenance Manual, available from the InRow RC product page of the Schneider Electric web site, www.schneider-electric.com or www.apc.com.

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1.0 OS & TCP/IP Stack Modifications (apc_hw06_aos_392.bin)

1.1 COMPATIBILITY

apc_hw03_acrc_380.bin	InRow RC Application
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1.2 KNOWN ISSUES IN THIS VERSION

None

1.3 NEW FEATURES & ENHANCEMENTS

None

1.4 BUGS FIXED IN THIS VERSION

None

2.0 InRow RC Application (apc_hw03_acrc_380.bin)

2.1 HARDWARE COMPATIBILITY

No incompatibilities

2.2 FIRMWARE COMPATIBILITY

apc_hw03_aos_392.bin	Network Management Card Operating System & TCP/IP Stack
990-4744	Modbus Register Map
powernet408.mib or later	PowerNet(R) SNMP Management Information Base (MIB)
3.27.0	InRow RC Controller Firmware for XA (Automatic)
7.5.0	InRow RC Controller Firmware for R2 (Automatic)
1.5	Powerview Display (Automatic)
1.9.0	Active Flow Controller (Automatic)

2.3 KNOWN ISSUES IN THIS VERSION

None

2.4 NEW FEATURES & ENHANCEMENTS

1. Implemented new method to automatically generate device link identifiers.
2. Restored the ability for a device to ping itself.

2.5 BUGS FIXED IN THIS VERSION

1. Updated I2C timing to match specifications.
2. Implemented a reset I2C recovery procedure to recover a device if it gets out of sync with controller and implemented a procedure for the RS485 channel to recover if a transmission does not complete.
3. Increased the delay for unexpected number of AFC sensors alarm to be consistent with other products.
4. Rack Inlet temperature sensor errors were not being checked in CACS mode.
5. Fixed bug in the group arbitration.
6. Changed deactivate condition for CW Inlet High Temperature alarm to not look at valve position.
7. Changed default value of HACS dT to 20°F.

8. Rack Inlet Temperature High alarm is now always evaluated.
9. To avoid nuisance fan power supply fault alarms removed the load sharing test and adjusted the commanded fan speed threshold to 36% (about 2.5A) for enabling no output test.
10. Changed the 'On' threshold for the DC rectifiers to 400 mA.
11. Flow meter measurements larger than 50 gpm are now ignored.
12. Added R2 controller exception codes to log correctly on the NMC.

3.0 SCHNEIDER ELECTRIC DEVICE IP CONFIGURATION WIZARD v5.0.2

The Wizard is a Windows application designed specifically to remotely configure the basic TCP/IP settings of Network Management Cards. The Wizard runs on Windows® 2000, Windows 2003, Windows Vista, Windows XP, Windows 7, Windows Server 2008, Windows 8 and Windows 2012.

The Wizard is available as a free download from the Schneider Electric Web site www.schneider-electric.com or www.apc.com. On the Web site, select 'Software Upgrades - Wizards and Configurators' from the 'Filter by Software/Firmware' drop-down list and click 'Submit' to view the list of utilities available for download. Click on the 'Download' button to download the 'Device IP Configuration Wizard'.

3.1 COMPATIBILITY

This utility supports cards that have firmware version 3.0.x or higher and is for IPv4 only.

3.2 KNOWN ISSUES IN THIS VERSION

None

4.0 Miscellaneous

4.1 RECOVERING FROM A LOST PASSWORD

See the User Guide on Schneider Electric Web site www.schneider-electric.com or www.apc.com, for instructions on how to recover from a lost password.

4.2 POWERNET MIB REFERENCE GUIDE

NOTE: The MIB Reference Guide, available on the Schneider Electric Web site (www.schneider-electric.com or www.apc.com), explains the structure of the MIB, types of OIDs, and the procedure for defining trap receivers. For information on specific OIDs, use a MIB browser to view their definitions and available values directly from the MIB itself. You can view the definitions of traps at the end of the MIB itself (the file `powernet425.mib` downloadable from the Schneider Electric Web site (www.schneider-electric.com or www.apc.com)).

4.3 EVENT SUPPORT LIST

For the event names and event codes for all events supported for a currently connected APC device, first retrieve the `config.ini` file from the attached Network Management Card. To use FTP to retrieve `config.ini` from a configured Network Management Card:

1. Open a connection to the Network Management Card, using its IP Address:

```
ftp> open <ip_address>
```

2. Log on using the Administrator user name and password.
3. Retrieve the `config.ini` file containing the settings of the unit.

```
ftp> get config.ini
```

The file is written to the folder from which you launched FTP. In the `config.ini` file, find the section heading `[EventActionConfig]`. In the list of events under that section heading, substitute `0x` for the initial `E` in the code for any event to obtain the hexadecimal event code shown in the user interface and in the documentation. For example, the hexadecimal code for the code `E0033` in the `config.ini` file (for the event "System: Configuration change") is `0x0033`.

4.4 MD5, SHA-1, AND SHA-256 HASH SIGNATURES

MD5 Hash: 37890512140633ef52eb9064aa767234

SHA-1 Hash: ff7c2c0631f0c732bd53f7746621c776f4d8a867

SHA-256 Hash: ab14beac65d4dbd8849811ff578c9ba1a42546a9d8d8f8f05a9125c57cadbb90

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