RELEASE NOTES for AP9613 Dry Contact I/O SmartSlot Card

Revised: May 2015

Affected Revision Levels:

apc_hw07_dcio_210.bin    Application for Dry Contact I/O SmartSlot Card

For details on upgrading the Dry Contact I/O SmartSlot Card's firmware, see the User's Guide on the American Power Conversion Web site (http://www.apc.com).

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1.0 Application for Dry Contact I/O SmartSlot Card (apc_hw07_dcio_210.bin)

1.1 KNOWN ISSUES IN THIS VERSION

1) Using AP9613 Dry Contacts I/O SmartSlot Card simultaneously in the same UPS system as a UPS Network Management Card causes lost communication alarms within the UPS Network Management Card event log. Review knowledge base article ID FA242950 for additional detail.

2) Mapping multiple events to the same output relay on the AP9613 Dry Contact I/O SmartSlot card may not align with user expectations. This only applies to users who choose to use dip switch configuration 4 and manually map events through the AP9613 configuration utility. Review knowledge base article ID FA242951 for additional detail.

3) Concurrent configuration of more than one AP9613 from the same Windows machine is not supported.
1.2 NEW FEATURES & ENHANCEMENTS SINCE Firmware v1.0.1

1) Added support for newer SRT, SRC UPS models.
2) Added Configuration Utility support for Windows 8, 8.1, and 10 Operating Systems.
3) For newer UPS types, such as SRT, SMX, SMT, SURTD, the UPS SKU is now reported in the Configuration Utility's "About" menu.
4) Improved AP9613's boot up time.

1.3 ISSUES FIXED IN THIS VERSION SINCE Firmware v1.0.1

1) Communication between AP9613 and selected SMX UPS models is now working properly.
2) Updated support for "Bypass out of tolerance" condition on supported UPS models.
3) During AP9613 initialization, the input contact now accepts a signal when the output relay is ready.
4) Adjusted and fixed certain UPS control actions that were not executing properly.
5) Adjusted and fixed certain UPS outlet group behaviors when control commands are issued.
6) UPS graceful turn off now correctly applies UPS Turn On delay.
7) Boost and Trim Automatic Voltage Regulation (AVR) UPS modes are no longer incorrectly reported as UPS faults.
8) The output relay does not activate upon Low Battery Warning until two minutes of runtime is remaining, though the Low Battery warning is set on the UPS to a value other than the default of 2 minutes. Work around of using dip switch configuration 4 is recommended. Review knowledge base article ID FA174930 for additional detail.
9) Output 5 now responds as expected with a Symmetra PX 40 UPS using configuration 2.
10) UPS Manufacture date now correctly appears in the configuration utility "About" menu.
11) LED behavior on the Card has been updated to align with other APC Management Accessories and is clearly documented in the User Guide.
12) Invalid hold and delay values set through the configuration utility are now handled by error messages, and truncation to values within the acceptable range.
13) SURT15/20kVA UPS now appropriately turns ON on closing Input contact 1 in configuration 2, as described in User guide.
14) "No Battery" fault condition and output relay 6 are now activated when battery breaker is turned off in Symmetra PX UPS.
15) Output relay states now change to normal state when the corresponding UPS fault conditions are cleared.
16) "Self test failed" condition is no longer incorrectly triggered, based on a refused self test.
17) Output relays are no longer incorrectly triggered based on a "low battery" event in configurations 1, 2, and 3.
18) Occasional lost communication on the AP9613 is now addressed.
19) Humidity threshold alarm is no longer shown when only the temperature sensor is present.
20) Configuration of AP9613 is now saved when the USB device is ejected and the USB cable is
disconnected and reconnected between the card and the PC.
21) Added support for "Output out of tolerance" for newer UPS types.
22) Added support for certain bypass conditions supported by larger single phase UPS types, such as
Symmetra RM.
23) Fixed support for "battery high temperature" and "self test failed" faults on some Symmetra PX
models.
24) Output relay behavior for "UPS in bypass" event is now fixed on certain UPS models.

2.0 Miscellaneous

2.1 MD5 and SHA-1 Hash Signatures

apc_hw07_dcio_210.zip MD5 Hash: 4886192aa64455aae8145ddaca076ac3
apc_hw07_dcio_210.zip SHA-1 Hash: f3091bde8e31e8b9cf81d0bee7456914d651bcf39

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