

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>).

Table of Contents:

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

1.1 KNOWN ISSUES IN THIS VERSION

1.2 NEW FEATURES & ENHANCEMENTS SINCE FIRMWARE v1.0.1

1.3 ISSUES FIXED IN THIS VERSION SINCE FIRMWARE v1.0.1

2.0 Miscellaneous

1.1 MD5 and SHA-1 Hash Signatures

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: f3091bde8e31e8b9cfd10bee7456914d651bcf39

© 2015 by Schneider Electric. All rights reserved.

InfraStruxure, Symmetra, MGE, Galaxy, and Smart-UPS are owned by Schneider Electric Industries S.A.S., American Power Conversion Corporation, or their affiliated companies. All other trademarks are property of their respective owners.

Schneider Electric Documentation Part Number: **990-5680**