

KIN-1000AP-RM and RS-232 Communications Protocol.txt

* COMM ---Protocol

* BPS = 1200, 1 START BIT, 1 END BIT, 16 DATA BIT, SETDTR, CLRRTS

* UPS receive 1 byte data is 1: UPS will echo 16 bytes status

* byte 0 is load level

* byte 1 is battery level

* byte 2 is input voltage

* byte 3 is output voltage

* byte 4 is input frequency

* byte 5 is FFh

* byte 6 is output frequency

* byte 7 is XX

* byte 8 is XX

* byte 9 bit 0 is line fail (1 = INV, 0 = LINE)

* bit 1 is low battery (1 = BAT LOW, 0 = NORMAL)

* bit 2 X

* bit 3 AVR (1 = AVR, 0 = NO AVR)

* bit 4 AVR MODE (1 = BOOST, 0 = BUCK)

* bit 5 LOAD STATUS(1 = OVER LOAD, 0 = NORMAL)

* bit 6 X

* bit 7 SD MODE DISPLAY

* byte 10 bit 0 UPS FAILT(1 = FAILT)

* bit 1 BAT STATUS(1 = BAD, 0 = NORAML)

* bit 2 TEST MODE (1 = TEST, 0, NORMAL)

* bit 3 X

* bit 4 PRE-SD COUNT MODE (1 = ACTIVE)

* bit 5 SCHEDULE COUNT MODE (1 = ACTIVE)

* bit 6 DISBLE NO LOAD SHUTDOWN (1 = ACTIVE)

* bit 7 1

* byte 11 is XX

* byte 12 is UPS model number

* 100V = X0H 110V = X1H 115V = X2H 120V = X3H

* 200V = X7H 220V = X8H 230V = X9H 240V = XAH

* byte 13 is XX

* byte 14 is XX

* byte 15 is XX

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* From Byte 0 to Byte 15 use binary data

* Receive data 3: UPS self test

* Receive data 4: WAKE UP TIME SETUP

* BYTE 1 IS HIGH BYTE MIN (0-255)

* BYTE 2 IS LOW BYTE MIN (0-255)

* EX: SET WAKE UP TIME 1 HR

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4 0 60

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* Receive data 185: ENABLE AC NORMAL RESTART

* Receive data 186: DISABLE AC NORMAL RESTART

* Receive data 188: PRE-SD COUNT

* byte 1 is MIN

* byte 2 is SEC

* Example: pre-shutdown counter count 1 minute and enable ac normal wake up

* 185 188 1 0
