MARATHON POWER UPS PROTOCOL FOR SPRINT SERIES MODELS

BPS = 1200, 1 START BIT, 1 STOP BIT, 8 DATA BIT, SET DTR, CLEAR RTS

UPS receive 1 byte data is 1: UPS will be echo 16 byte status

byte 1 is X
byte 2 is X
byte 3 is X
byte 4 is X
byte 5 is X
byte 6 is X
byte 7 is X
byte 8 is X
byte 9 is X

byte 10 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 11 bit 0 UPS FAIL (1 = FAIL)
  bit 1 BAT STATUS (1 = BAD, 0 = NORMAL)
  bit 2 TEST MODE (1 = TEST, 0 = NORMAL)
  bit 3 BUZZER SILENCE (1 = ACTICE)
  bit 4 PRE-SD COUNT MODE (1 = ACTIVE)
  bit 5 SCHEDULE COUNT MODE (1 = ACTIVE)
  bit 6 X
  bit 7 0

byte 12 is X
byte 13 is X
byte 14 is X
byte 15 is X
byte 16 is X

Receive data 3: UPS self test
Receive data 4: Wake up time setup
  byte 1 is high min (0 – 255)
  byte 2 is low min (0 – 255)
  1 high min = 256 low min
  ex: 4 0 60
  Set UPS schedule wake up time 1 hr

Receive data 11: UPS WAKEUP
Receive data 185: ENABLE AC NORMAL RESTART
Receive data 186: DISABLE AC NORMAL RESTART
Receive data 188: PRE-SD COUNT
  byte 1 is MIN (0 - 255)
  byte 2 is SEC (0 - 59)
  ex: 185 188 1 0
  After count down 1 min UPS shut down
  and enable AC normal restart.