Misc

tagyoureit edited this page on Jan 17, 2017 · 1 revision

Miscellaneous

🔗 Circuit bitmask

The Pentair bus sends many packets in bitmask form. One of these you will find is the Circuits/Features bits 7, 8, 9. Each binary bit is an on/off signal for a circuit.
0x0000001 = 1 = Only 1st circuit is on
0x0000010 = 2= Only 2nd circuit is on
...
0x0010101 = 21 = Circuits 1, 3, and 5 are on

Bit 7 is for circuits 1-8, Bit 8 is for 9-16 and Bit 9 is for 17-24.

Spa Pool Heat Mode

Seen in Action = 8 Temp/Heat status and Action = Pentair controller sends the pool and spa heat status as a 4 digit binary byte from 0000 (0) to 1111 (15). The left two (xx__) is for the spa and the right two (__xx) are for the pool. EG 1001 (9) would mean 10xx = 2 (Spa mode Solar Pref) and xx01 = 1 (Pool mode Heater)

Day of week

In the Time Clock Broadcast this is (Sun=1, Mon=2, Tue=4, Wed=8, Thu=16, Fri=32, Sat=64)
Sunday = 0x0000001
Monday = 0x0000010
Tuesday = 0x0000100
Wednesday = 0x0001000
Thursday = 0x0010000
Friday = 0x0100000
Saturday = 0x1000000

However, this is different in the Configuration schedules Bitmask 0x0000000; 181 = Tu,Th,Fri,Sun; 145 = Thu,Sun; 255 = Every day; Need to do more research but it seems like 0x01 is always active and 128=Sun; 16=Thu... need to just do some testing.

Clone this wiki locally

https://github.com/tagyoureit/nodejs-poolController.wiki.git