

Pylon RS485 Meter to Auk Xbee

Files: Powermon.cpp Powermon.h ModbusMaster.cpp ModbusMaster.h

How to use:

```
#include "Powermon.h"
Powermon Pikachu;
void setup() {
    powermonStart();
}

void loop() {
    powermonGo();
    Pikachu = powermonGet();
    delay(5000);
}
```

Explain of Data structure Powermon:

```
typedef struct Powermons {
    float Va; int addrVa = 0;
    float Vb; int addrVb = 2;
    float Vc; int addrVc = 4;
    float Ia; int addrIa = 8;
    float Ib; int addrIb = 10;
    float Ic; int addrIc = 12;
    float P; int addrP = 16;
    float Pa; int addrPa = 18;
    float Pb; int addrPb = 20;
    float Pc; int addrPc = 22;
    float pfa; int addrpfa = 42;
    float pfb; int addrpfb = 44;
    float pfc; int addrpfc = 46;
    float freq; int addrfreq = 54;
    float Ein; int addrEin = 512;
    float Eout; int addrEout = 768;
} Powermon;
```

Back to code if I use Pikachu.Va, I will get 243.something.

In ModbusMaster.h:

```
#define SERIAL_PORT Serial1
Change according to Xbee Serial port
```