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/*****
/* Program      :   RCSWITCH.H
/* Function     :   R/C Power Switch (SMT Version) Header File
/*
/*****

#ifndef   _RCSWITCH_H
#define   _RCSWITCH_H

#define   TRUE           1
#define   FALSE          0
#define   true           1
#define   false          0
#define   clrwdt()      CLRWDT()

// System types are futaba, jr, multiplex, hitech, psa

#ifdef   _FUTABA
#define   PW_CTR         1200           // Centre pulse width in us
#define   PW_DEVN        500           // Pulse width deviation in us
#else
#ifdef   _MULTIPLEX
#define   PW_CTR         1350
#define   PW_DEVN        500
#else
#define   PW_CTR         1500           // default: JR, PSA, Airtronics
#define   PW_DEVN        500
#endif // multiplex
#endif // futaba

#define   PWCNT          10           // minimum pulses for valid switch

// Port pin assignments

#define   pswt           GP2           // Power Switch Output port bit
#define   sign           GP3           // Signal Input port bit

// Program global variables

union {
    struct {
        unsigned trp0_s :1;           // Switch sense - Trip point lsb
        unsigned trp1_s :1;           // Switch sense - Trip point msb
        unsigned :1;
        unsigned :1;
        unsigned logic_s :1;           // Switch sense - Logic
        unsigned swtyp_s :1;           // Switch sense - Trip centre off
    }sw_bit;
    unsigned char sw_byte;
}switches;

unsigned int  ch_in;           // Input Channel register 16b
unsigned int  sw_point_h;     // High switch point
unsigned int  sw_point_l;     // Low switch point
unsigned char pswt_ctr;       // Power switch status counter
bit old_pswt;                 // Power switch old value
bit temp_pswt;                // Power switch temporary value

#endif // _RCSWITCH_H

// ***** EOF RCSWITCH.H *****

```