协调器消息处理函数

static void GenericApp\_MessageMSGCB( afIncomingMSGPacket\_t \*pkt )

{

//unsigned char bufferwenshi[4];

if(osal\_memcmp(uartbuf,"start",5))

{

//人体红外传感器检测

switch ( pkt->clusterId )

{

case GENERICAPP\_CLUSTERID:

HalUARTWrite(0,"$",1);

HalUARTWrite(0,&pkt->cmd.Data[0],2);

HalUARTWrite(0,&pkt->cmd.Data[2],2);

HalUARTWrite(0,"#",1);

#if defined( LCD\_SUPPORTED )

HalLcdWriteScreen( (char\*)pkt->cmd.Data, "rcvd" );

#elif defined( WIN32 )

WPRINTSTR( pkt->cmd.Data );

#endif

break;

case GENERICAPP\_CLUSTERID\_YW:

HalUARTWrite(0,pkt->cmd.Data,pkt->cmd.DataLength);

byte state;

if(DATA\_PIN\_HW ==1)

{

MicroWait(10000);

if(DATA\_PIN\_HW ==1)

{

state = 0x31; //有人进入

HalUARTWrite(0,"1",1);

HalLedBlink(HAL\_LED\_1,0,50,100);

HalLedBlink(HAL\_LED\_2,0,50,200);

}

}

else

{

state = 0x30;

HalUARTWrite(0,"0",1);

HalLedSet(HAL\_LED\_1,HAL\_LED\_MODE\_ON);

HalLedSet(HAL\_LED\_2,HAL\_LED\_MODE\_ON);

}

break;

}

}

}

协调器回调函数

static void rxCB(uint8 port, uint8 event)

{

unsigned char error[9]="ERROR CMD";

unsigned char stop[10]="STOP CHECK";

HalUARTRead(0,uartbuf,5);

if(osal\_memcmp(uartbuf,"start",5))

{

GenericApp\_MessageMSGCB;

}

else if(osal\_memcmp(uartbuf,"stop",4))

{

HalUARTWrite(0,stop,10);

}

else

{

HalUARTWrite(0,error,9);

}

}

终端 发送消息函数

static void GenericApp\_SendTheMessage( void )

{

DHT11();

uint8 wenshi[4];

byte state;

wenshi[0]=wendu\_shi+0x30;

wenshi[1]=wendu\_ge+0x30;

wenshi[2]=shidu\_shi+0x30;

wenshi[3]=shidu\_ge+0x30;

if(DATA\_PIN\_YW == 1)

{

state = 0x31;

}

else

{

MicroWait(10000);

if(DATA\_PIN\_YW == 0)

{

state = 0x30;

}

}

afAddrType\_t my\_DstAddr;

my\_DstAddr.addrMode = (afAddrMode\_t)Addr16Bit; //addr16bit表示单播

my\_DstAddr.endPoint = GENERICAPP\_ENDPOINT;

my\_DstAddr.addr.shortAddr = 0x0000; //表示发送对象为协调器

if ( AF\_DataRequest( &my\_DstAddr, &GenericApp\_epDesc,

GENERICAPP\_CLUSTERID,

osal\_strlen("1234")+1,

wenshi,

&GenericApp\_TransID,

AF\_DISCV\_ROUTE, AF\_DEFAULT\_RADIUS ) == afStatus\_SUCCESS )

{

HalLedBlink(HAL\_LED\_1,0,50,1300);// Successfully requested to be sent.

}

if(AF\_DataRequest(&my\_DstAddr, &GenericApp\_epDesc,

GENERICAPP\_CLUSTERID\_YW,

1,

&state,

&GenericApp\_TransID,

AF\_DISCV\_ROUTE, AF\_DEFAULT\_RADIUS ) == afStatus\_SUCCESS

)

{

HalLedBlink(HAL\_LED\_2,0,50,1300);

}

}

红外热释电传感器代码

if(DATA\_PIN\_HW ==1)

{

MicroWait(10000);

if(DATA\_PIN\_HW ==1)

{

state = 0x31; //有人进入

HalUARTWrite(0,"1",1);

HalLedBlink(HAL\_LED\_1,0,50,100);

HalLedBlink(HAL\_LED\_2,0,50,200);

}

}

else

{

state = 0x30;

HalUARTWrite(0,"0",1);

HalLedSet(HAL\_LED\_1,HAL\_LED\_MODE\_ON);

HalLedSet(HAL\_LED\_2,HAL\_LED\_MODE\_ON);

}