

```

On rules#timer=2 do
  gpio,2,1
  if [switch#pmode]=0
    gpio,2,1
    if [a0#a0] > 3.9 // if enough power send more frequently
      let,14,15
    else
      let,14,60
    endif
    publish %sysname%/status,"%sysname%/%ip% [a0#a0]V %rssi%dBm now sleep for
%v14% s"
    deepsleep,%v14%
  else
    gpio,2,0
    publish %sysname%/status,"%sysname%/%ip% [a0#a0]V %rssi%dBm (in program
mode)"
  endif
  publish %sysname%/time/value,%systemtime%
//  publish %sysname%/bmp085/press,[bmp085#press]
  publish %sysname%/bmp085/temp,[bmp085#temp]
  publish %sysname%/a0/a0,[a0#a0]
endon

on wifi#disconnect do
  pulse,2,0,1600
  if [switch#pmode]=0
    timerset,2,1 // sleep
  endif
endon

On switch#pmode do
  // if switch programming mode=OFF goto BED
  if [switch#pmode]=1
    gpio,2,0
    timerset,1,1
  endif
endon

on system#wake do
  timerset,2,1
endon

on system#boot do
  timerset,2,1
endon

On rules#timer=1 do
  delay,5000
  //if [MQTT#connected]=1
  //  pulse,2,0,100
  Publish %sysname%/time/value,%systemtime%
//  publish %sysname%/bmp085/press,[bmp085#press]

```

```
        publish %sysname%/bmp085/temp,[bmp085#temp]
        publish %sysname%/a0/a0,[a0#a0]
    //else
        //pulse,2,0,800
    //endif
    if [switch#pmode]=1 // programming mode
        gpio,2,0
        publish %sysname%/status,"%sysname%/%ip% [a0#a0]V %rssi%dBm (in program
mode)"
        timerset,1,20 // repeat sending mqtt
    else
        gpio,2,1
        timerset,2,1 // start sleep sequence
    endif
endon
```