

```
attr global userattr cmdIcon devStateIcon devStateIcon:textField-long devStateStyle icon sortBy
webCmd webCmdLabel:textField-long widgetOverride
```

```
attr global autoload_undefined_devices 1
```

```
attr global autosave 0
```

```
attr global logfile ./log/fhem-%Y-%m.log
```

```
attr global modpath .
```

```
attr global motd SecurityCheck:\
```

```
telnetPort is not password protected\
```

```
WEBphone is not password protected\
```

```
WEB is not password protected\
```

```
WEBtablet is not password protected\
```

```
\
```

```
Protect this FHEM installation by defining an allowed device with define allowed allowed\
```

```
You can disable this message with attr global motd none
```

```
attr global statefile ./log/fhem.save
```

```
attr global updateInBackground 1
```

```
attr global verbose 3
```

```
define telnetPort telnet 7072 global
```

```
#####
```

```
define WEB FHEMWEB 8083 global
```

```
attr WEB hiddenroom Select style,Remote doc,Unsorted,Logfile,Everything,Commandref,Edit
files,Select style,Event monitor,Save config
```

```
attr WEB csrfToken none
```

```
attr WEB longpoll 1
```

```
attr WEB stylesheetPrefix dark
```

```
attr WEB basicAuth { "$user:$password" eq "smart:test" }
```

```
#####
```

```
define WEBphone FHEMWEB 8084 global
attr WEBphone csrfToken none
attr WEBphone stylesheetPrefix smallscreen
```

```
define WEBtablet FHEMWEB 8085 global
attr WEBtablet csrfToken none
attr WEBtablet stylesheetPrefix touchpad
```

```
# Fake FileLog entry, to access the fhem log from FHEMWEB
```

```
define Logfile FileLog ./log/fhem-%Y-%m.log fakelog
```

```
define autocreate autocreate
```

```
setuid autocreate 5d78e24b-f33f-6701-109f-e316c1656571d9e9
```

```
attr autocreate filelog ./log/%NAME-%Y.log
```

```
define eventTypes eventTypes ./log/eventTypes.txt
```

```
# Disable this to avoid looking for new USB devices on startup
```

```
define initialUsbCheck notify global:INITIALIZED usb create
```

```
define TABLETUI HTTPSrv ftui/ ./www/tablet Tablet-UI
```

```
#####
```

```
# Taktgeber alle 2 Sekunden #
```

```
#####
```

```
define counter_down DOIF ([+2]) (setreading PV_Leistung state off)
```

```
attr counter_down do always
```

```
#####
```

```
### zum Testen ab define die Rauten entfernen ###
```

```
#####
```

```
### Test PV Vorgabe SMA 8
```

```
#define PWP dummy
#attr PWP alias PV SMA 8
#attr PWP group PV SMA 8
#attr PWP readingList Wirkleistung_0
#attr PWP room VIESSMANN
#attr PWP setList Wirkleistung_0:slider,100,50.0,10000
#attr PWP stateFormat Wirkleistung_0 : Watt Aktuelle Leistung
#attr PWP webCmd Wirkleistung_0
```

```
#####
```

```
### zum Testen ab define die Rauten entfernen ###
```

```
#####
```

```
### Test PV Vorgabe SMA 10
```

```
#define PWP_10 dummy
#attr PWP_10 alias PV SMA 10
#attr PWP_10 group PV SMA 10
#attr PWP_10 readingList Wirkleistung_1
#attr PWP_10 room VIESSMANN
#attr PWP_10 setList Wirkleistung_1:slider,100,50.0,10000
#attr PWP_10 stateFormat Wirkleistung_1 : Watt Aktuelle Leistung
#attr PWP_10 webCmd Wirkleistung_1
```

```
#####
```

```
#####
```

```
### Wenn man die Schaltung ohne Wechselrichter testen möchte dann den Code der beiden Wechselrichter ###
```

```
### entfernen und die Test PV Vorgabe ausklammern, da diese ja die gleichen Parameter verwenden.
```

```
###
```

```
### Den Code der Wechselrichter solange kopieren und abspeichern und später wieder einfügen.
```

```
###
```

```
#####
```

```
#####
```

#####

SUNNY TRIPOWER 10.0 ### 192.168.xxx.xx IP eintragen

#####

define PWP_10 ModbusAttr 3 30 192.168.###.xx:502 TCP

attr PWP_10 userattr dev-h-defExpr dev-h-defLen dev-h-defPoll dev-h-defUnpack obj-h30201-reading obj-h30211-reading obj-h30529-expr obj-h30529-format obj-h30529-reading obj-h30535-reading obj-h30775-reading obj-h30953-expr obj-h30953-reading

attr PWP_10 alias SUNNY TRIPOWER 10.0

attr PWP_10 dev-h-defExpr \$val & 0xFFFFFFFF

attr PWP_10 dev-h-defLen 2

attr PWP_10 dev-h-defPoll 1

attr PWP_10 dev-h-defUnpack N

attr PWP_10 devStatalcon ok:on fault:message_attention warnings:message_attention

attr PWP_10 group SUNNY TRIPOWER 10

attr PWP_10 icon SMA.png

attr PWP_10 obj-h30201-reading state

attr PWP_10 obj-h30211-reading Aktion

attr PWP_10 obj-h30529-expr (\$val & 0xFFFFFFFF) / 1000

attr PWP_10 obj-h30529-format %.1f

attr PWP_10 obj-h30529-reading Gesamtertrag

attr PWP_10 obj-h30535-reading Tagesertrag

attr PWP_10 obj-h30775-reading Wirkleistung_1

attr PWP_10 obj-h30953-expr (\$val & 0xFFF) / 10

attr PWP_10 obj-h30953-reading Temperatur

attr PWP_10 room VISSMANN

attr PWP_10 stateFormat Wirkleistung_1 : Watt Aktuelle Leistung

#attr PWP_10 userattr obj-h30775-reading obj-h30775-unpack obj-h30775-poll obj-h30775-len

#attr PWP_10 obj-h30201-map 35:fault,303:off,307:ok,455:warnings

#attr PWP_10 obj-h30211-map 336:Contact manufacturer, 337:Contact installer, 338:invalid, 887:none

#####

SUNNY TRIPOWER 8.0 ### 192.168.xxx.xx IP eintragen

#####

define PWP ModbusAttr 3 30 192.168.###.##:502 TCP

attr PWP userattr dev-h-defExpr dev-h-defLen dev-h-defPoll dev-h-defUnpack obj-h30201-reading
obj-h30211-reading obj-h30529-expr obj-h30529-format obj-h30529-reading obj-h30535-reading
obj-h30775-reading obj-h30953-expr obj-h30953-reading

attr PWP alias SUNNY TRIPOWER 8.0

attr PWP dev-h-defExpr \$val & 0x1FFFFFFF

attr PWP dev-h-defLen 2

attr PWP dev-h-defPoll 1

attr PWP dev-h-defUnpack N

attr PWP devStateIcon ok:on fault:message_attention warnings:message_attention

attr PWP group SUNNY TRIPOWER 8

attr PWP icon SMA.png

attr PWP obj-h30201-reading state

attr PWP obj-h30211-reading Aktion

attr PWP obj-h30529-expr (\$val & 0x1FFFFFFF) / 1000

attr PWP obj-h30529-format %.1f

attr PWP obj-h30529-reading Gesamtertrag

attr PWP obj-h30535-reading Tagesertrag

attr PWP obj-h30775-reading Wirkleistung_0

attr PWP obj-h30953-expr (\$val & 0xFFF) / 10

attr PWP obj-h30953-reading Temperatur

attr PWP room VIESSMANN

attr PWP stateFormat Wirkleistung: Watt Aktuelle Leistung

#attr PWP userattr obj-h30775-reading obj-h30775-unpack obj-h30775-poll obj-h30775-len

#attr PWP obj-h30201-map 35:fault,303:off,307:ok,455:warnings

#attr PWP obj-h30211-map 336:Contact manufacturer, 337:Contact installer, 338:invalid, 887:none

#####

Smart Grid Sollwertanhebung für Warmwasserbereitung GPIO20 und GPIO26

```
#####
```

```
define Smart_Grid_Warmwasser dummy
attr Smart_Grid_Warmwasser alias Smart Grid
attr Smart_Grid_Warmwasser devStateIcon on:Vitocal-250-A_200_rot.png off:Vitocal-250-A_200.png
attr Smart_Grid_Warmwasser group Smart Grid Sollwertanhebung für Warmwasserbereitung
attr Smart_Grid_Warmwasser icon vissmann_logo.png
attr Smart_Grid_Warmwasser room VIESSMANN
attr Smart_Grid_Warmwasser setList off on

define off_PV_Pumpe_AUS notify Smart_Grid_Warmwasser:off {fhem ("set GPIO20 off;; set GPIO26
on")}}

define on_PV_Pumpe_AUS notify Smart_Grid_Warmwasser:on {fhem ("set GPIO20 on;; set GPIO26
off")}}
```

```
### Smart Grid Sollwertanhebung für Warmwasserbereitung Vorgabe
```

```
define Smart_Grid_Warmwasser_soll dummy
attr Smart_Grid_Warmwasser_soll devStateStyle style=color:green;;text-align:right;;font-
weight:bold;;font-size:13pt
attr Smart_Grid_Warmwasser_soll alias Einschaltsschwelle Warmwasser
attr Smart_Grid_Warmwasser_soll group Smart Grid Sollwertanhebung für Warmwasserbereitung
attr Smart_Grid_Warmwasser_soll readingList Warmwasser_soll
attr Smart_Grid_Warmwasser_soll room VIESSMANN
attr Smart_Grid_Warmwasser_soll setList Warmwasser_soll:slider,100,50.0,18000
attr Smart_Grid_Warmwasser_soll stateFormat bei Watt
attr Smart_Grid_Warmwasser_soll webCmd Warmwasser_soll
```

```
define Warmwasserbereitung notify PV_Leistung:* {\
    my $Smart_Grid_Warmwasser_ist =
ReadingsVal("PWP","Wirkleistung_0",0)+ReadingsVal("PWP_10","Wirkleistung_1",0);\
    my $Smart_Grid_Warmwasser_soll =
ReadingsVal("Smart_Grid_Warmwasser_soll","Warmwasser_soll","0");\
    my $handauto = Value("Hand_Auto");\
    if (($handauto eq "off") && (($Smart_Grid_Warmwasser_ist >
$Smart_Grid_Warmwasser_soll) or ($Smart_Grid_Warmwasser_ist ==
$Smart_Grid_Warmwasser_soll) ))\
```

```
{fhem ("set Smart_Grid_Warmwasser,GPIO20 on;; set GPIO26 off")}\n\nif (($handauto eq "off") && ($Smart_Grid_Warmwasser_ist <\n$Smart_Grid_Warmwasser_soll) )\n\n{fhem ("set Smart_Grid_Warmwasser,GPIO20 off;; set GPIO26 on")}\n\n}
```

```
#####
```

```
# Smart Grid Sollwertanhebung für Raumtemperatur Heizen GPIO16 und GPIO21#
```

```
#####
```

```
define Smart_Grid_Heizen dummy\n\nattr Smart_Grid_Heizen alias Smart Grid\n\nattr Smart_Grid_Heizen devStateIcon on:Vitocal-250-A_200_rot.png off:Vitocal-250-A_200.png\n\nattr Smart_Grid_Heizen group Smart Grid Sollwertanhebung für Heizen\n\nattr Smart_Grid_Heizen icon vissmann_logo.png\n\nattr Smart_Grid_Heizen room VIESSMANN\n\nattr Smart_Grid_Heizen setList off on\n\ndefine off_PV_Pumpe_Stufe_1 notify Smart_Grid_Heizen:off {fhem ("set GPIO16 off ;; set GPIO21\non")}\n\ndefine on_PV_Pumpe_Stufe_1 notify Smart_Grid_Heizen:on {fhem ("set GPIO16 on;; set GPIO21\noff")}
```

```
### Smart Grid Sollwertanhebung für Raumtemperatur Heizen Vorgabe
```

```
define Smart_Grid_Heizen_soll dummy\n\nattr Smart_Grid_Heizen_soll devStateStyle style=color:green;;text-align:right;;font-weight:bold;;font-\nsize:13pt\n\nattr Smart_Grid_Heizen_soll alias Einschaltsschwelle Heizen\n\nattr Smart_Grid_Heizen_soll group Smart Grid Sollwertanhebung für Heizen\n\nattr Smart_Grid_Heizen_soll readingList Heizen_soll\n\nattr Smart_Grid_Heizen_soll room VIESSMANN\n\nattr Smart_Grid_Heizen_soll setList Heizen_soll:slider,100,50.0,18000\n\nattr Smart_Grid_Heizen_soll stateFormat bei Watt\n\nattr Smart_Grid_Heizen_soll webCmd Heizen_soll
```

```

define Raumtemperatur notify PV_Leistung:.* {\
    my $Smart_Grid_Heizen_ist =
ReadingsVal("PWP","Wirkleistung_0",0)+ReadingsVal("PWP_10","Wirkleistung_1",0);\  

    my $Smart_Grid_Heizen_soll = ReadingsVal("Smart_Grid_Heizen_soll","Heizen_soll","0");\  

    my $handauto = Value("Hand_Auto");\  

    if (($handauto eq "off") && (($Smart_Grid_Heizen_ist > $Smart_Grid_Heizen_soll) or
($Smart_Grid_Heizen_ist == $Smart_Grid_Heizen_soll) ))\  

        {fhem ("set Smart_Grid_Heizen,GPIO16 on ;; set GPIO21 off")\  

        if (($handauto eq "off") && ($Smart_Grid_Heizen_ist < $Smart_Grid_Heizen_soll) )\  

            {fhem ("set Smart_Grid_Heizen,GPIO16 off;; set GPIO21 on")\  

}

```

```
#####
```

```
## PV Gesamtleistung ##
```

```
#####
```

```
define PV_Leistung dummy
```

```
attr PV_Leistung alias PV Gesamtleistung
```

```
attr PV_Leistung group PV Gesamtleistung
```

```
attr PV_Leistung devStateStyle style=color:yellow;;text-align:right;;font-weight:bold;;font-size:20pt
```

```
attr PV_Leistung userReadings Gesamtleistung {ReadingsVal("PWP","Wirkleistung_0",0)
+ReadingsVal("PWP_10","Wirkleistung_1",0)}
```

```
attr PV_Leistung webCmd Gesamtleistung
```

```
attr PV_Leistung stateFormat Gesamtleistung: Watt PV Leistung
```

```
attr PV_Leistung icon SMA_Logo_50.png
```

```
attr PV_Leistung room VIESSMANN
```

```
#####
```

```
# Smart Grid HAND / AUTO #
```

```
#####
```

```
define Hand_Auto dummy
```



```
attr Hand_Auto alias HAND / AUTO
attr Hand_Auto devStateIcon on:power.on off:power.off
attr Hand_Auto group Smart Grid
#attr Hand_Auto icon eco-touch-pro.png
attr Hand_Auto room STECKDOSEN
attr Hand_Auto setList off on
```

```
#####
```

```
# Steckdose Powerline 1
```

```
#####
```

```
define PV_Steckdose_1 dummy
attr PV_Steckdose_1 alias PV Steckdose 1
attr PV_Steckdose_1 devStateIcon on:power.on off:power.off
attr PV_Steckdose_1 group Powerline 1
attr PV_Steckdose_1 icon funk_steckdose.png
attr PV_Steckdose_1 room STECKDOSEN
attr PV_Steckdose_1 setList off on
attr PV_Steckdose_1 userReadings http {sonoff_http("192.168.178.3"
,ReadingsVal("PV_Steckdose_1","state","0") =~/^on/?1:0)}
#attr PV_Steckdose_1 userReadings http {esp_http("192.168.10.151", "12",
ReadingsVal("PV_Steckdose_1","state","") =~/^on/?1:0)};;{esp_http("192.168.10.151", "13",
ReadingsVal("PV_Steckdose_1","state","") =~/^on/?0:1)}
```

```
### PV_Steckdose_1 Einschaltwert Vorgabe
```

```
define PWP_soll_1 dummy
attr PWP_soll_1 alias Einschaltsschwelle
attr PWP_soll_1 group Powerline 1
attr PWP_soll_1 readingList PWP_sollwert_1
attr PWP_soll_1 room STECKDOSEN
attr PWP_soll_1 setList PWP_sollwert_1:slider,100,50.0,10000
attr PWP_soll_1 stateFormat bei Watt
attr PWP_soll_1 webCmd PWP_sollwert_1
```

```

define Regelung_PV_Steckdose_1 notify PV_Leistung:* {\
    my $IstPV1 =
ReadingsVal("PWP","Wirkleistung_0",0)+ReadingsVal("PWP_10","Wirkleistung_1",0);\
    my $SollPV1 = ReadingsVal("PWP_soll_1","PWP_sollwert_1",0);\
    my $handauto = Value("Hand_Auto");\
    if (($handauto eq "off") && (($IstPV1 > $SollPV1) or ($IstPV1 == $SollPV1)))\
    {fhem ("set PV_Steckdose_1 on")}\
    if (($handauto eq "off") && ($IstPV1 < $SollPV1) )\
    {fhem ("set PV_Steckdose_1 off")}\
}

```

```
#####
```

```
# Steckdose Powerline 2
```

```
#####
```

```
define PV_Steckdose_2 dummy
```

```
attr PV_Steckdose_2 alias PV Steckdose 2
```

```
attr PV_Steckdose_2 devStateIcon on:power.on off:power.off
```

```
attr PV_Steckdose_2 group Powerline 2
```

```
attr PV_Steckdose_2 icon funk_steckdose.png
```

```
attr PV_Steckdose_2 room STECKDOSEN
```

```
attr PV_Steckdose_2 setList off on
```

```
attr PV_Steckdose_2 userReadings http {sonoff_http("192.168.178.4"
,ReadingsVal("PV_Steckdose_2","state","0") =~/^on/?1:0)}
```

```
### PV_Steckdose_2 Einschaltwet Vorgabe
```

```
define PWP_soll_2 dummy
```

```
attr PWP_soll_2 alias Einschaltswelle
```

```
attr PWP_soll_2 group Powerline 2
```

```
attr PWP_soll_2 readingList PWP_sollwert_2
```

```
attr PWP_soll_2 room STECKDOSEN
```

```

attr PWP_soll_2 setList PWP_sollwert_2:slider,100,50.0,10000

attr PWP_soll_2 stateFormat bei Watt

attr PWP_soll_2 webCmd PWP_sollwert_2

define Regelung_PV_Steckdose_2 notify PV_Leistung:* {\
    my $IstPV2 =
ReadingsVal("PWP","Wirkleistung_0",0)+ReadingsVal("PWP_10","Wirkleistung_1",0);;\
    my $SollPV2 = ReadingsVal("PWP_soll_2","PWP_sollwert_2","0");;\
    my $handauto = Value("Hand_Auto");;\
    if (($handauto eq "off") && (($IstPV2 > $SollPV2) or ($IstPV2 == $SollPV2)))\
    {fhem ("set PV_Steckdose_2 on")}\
    if (($handauto eq "off") && ($IstPV2 < $SollPV2) )\
    {fhem ("set PV_Steckdose_2 off")}\
}

```

```
#####
```

```
# Steckdose Powerline 3
```

```
#####
```

```
define PV_Steckdose_3 dummy
```

```
attr PV_Steckdose_3 alias PV Steckdose 3
```

```
attr PV_Steckdose_3 devStateIcon on:power.on off:power.off
```

```
attr PV_Steckdose_3 group Powerline 3
```

```
attr PV_Steckdose_3 icon funk_steckdose.png
```

```
attr PV_Steckdose_3 room STECKDOSEN
```

```
attr PV_Steckdose_3 setList off on
```

```
attr PV_Steckdose_3 userReadings http {sonoff_http("192.168.178.5"
,ReadingsVal("PV_Steckdose_3","state","0") =~/^on/?1:0)}
```

```
### PV_Steckdose_3 Einschaltwet Vorgabe
```

```
define PWP_soll_3 dummy
```

```
attr PWP_soll_3 alias Einschaltswelle
```

```

attr PWP_soll_3 group Powerline 3

attr PWP_soll_3 readingList PWP_sollwert_3

attr PWP_soll_3 room STECKDOSEN

attr PWP_soll_3 setList PWP_sollwert_3:slider,100,50.0,10000

attr PWP_soll_3 stateFormat bei Watt

attr PWP_soll_3 webCmd PWP_sollwert_3

define Regelung_PV_Steckdose_3 notify PV_Leistung:* {\
    my $IstPV3 =
ReadingsVal("PWP","Wirkleistung_0",0)+ReadingsVal("PWP_10","Wirkleistung_1",0);;\
    my $SollPV3 = ReadingsVal("PWP_soll_3","PWP_sollwert_3","0");;\
    my $handauto = Value("Hand_Auto");;\
    if (($handauto eq "off") && (($IstPV3 > $SollPV3) or ($IstPV3 == $SollPV3)))\
    {fhem ("set PV_Steckdose_3 on")}\
    if (($handauto eq "off") && ($IstPV3 < $SollPV3) )\
    {fhem ("set PV_Steckdose_3 off")}\
}

```

```
#####
```

```
# Steckdose Powerline 4
```

```
#####
```

```
define PV_Steckdose_4 dummy
```

```
attr PV_Steckdose_4 alias PV Steckdose 4
```

```
attr PV_Steckdose_4 devStateIcon on:power.on off:power.off
```

```
attr PV_Steckdose_4 group Powerline 4
```

```
attr PV_Steckdose_4 icon funk_steckdose.png
```

```
attr PV_Steckdose_4 room STECKDOSEN
```

```
attr PV_Steckdose_4 setList off on
```

```
attr PV_Steckdose_4 userReadings http {sonoff_http("192.168.178.6"
,ReadingsVal("PV_Steckdose_4","state","0") =~/^on/?1:0)}
```

```
### PV_Steckdose_4 Einschaltwet Vorgabe
```

```
define PWP_soll_4 dummy
```

```
attr PWP_soll_4 alias Einschaltsschwelle
```

```
attr PWP_soll_4 group Powerline 4
```

```
attr PWP_soll_4 readingList PWP_sollwert_4
```

```
attr PWP_soll_4 room STECKDOSEN
```

```
attr PWP_soll_4 setList PWP_sollwert_4:slider,100,50.0,10000
```

```
attr PWP_soll_4 stateFormat bei Watt
```

```
attr PWP_soll_4 webCmd PWP_sollwert_4
```

```
define Regelung_PV_Steckdose_4 notify PV_Leistung:* {\
```

```
    my $IstPV4 =
```

```
    ReadingsVal("PWP","Wirkleistung_0",0)+ReadingsVal("PWP_10","Wirkleistung_1",0);;\
```

```
    my $SollPV4 = ReadingsVal("PWP_soll_4","PWP_sollwert_4","0");;\
```

```
    my $handauto = Value("Hand_Auto");;\
```

```
    if (($handauto eq "off") && (($IstPV4 > $SollPV4) or ($IstPV4 == $SollPV4)))\
```

```
    {fhem ("set PV_Steckdose_4 on")}\
```

```
    if (($handauto eq "off") && ($IstPV4 < $SollPV4) )\
```

```
    {fhem ("set PV_Steckdose_4 off")}\
```

```
}
```

```
#####
```

```
# Raspberry GPIO Beschaltung ##
```

```
#####
```

```
define GPIO16 dummy
```

```
attr GPIO16 devStatelcon on:power.on off:power.off
```

```
attr GPIO16 room GPIO-IO
```

```
attr GPIO16 setList on off
```

```
define off_GPIO16 notify GPIO16:off {{system("sudo gpio -g mode 16 out")};;{system("sudo gpio -g write 16 1")}}
```

```
define on_GPIO16 notify GPIO16:on {{system("sudo gpio -g mode 16 out")};;{system("sudo gpio -g write 16 0")}}
```

```
define GPIO13 dummy
attr GPIO13 devStatelcon on:power.on off:power.off
attr GPIO13 room GPIO-IO
attr GPIO13 setList on off
define off_GPIO13 notify GPIO13:off {{system("sudo gpio -g mode 13 out")}};{system("sudo gpio -g
write 13 1")}}
define on_GPIO13 notify GPIO13:on {{system("sudo gpio -g mode 13 out")}};{system("sudo gpio -g
write 13 0")}}

define GPIO21 dummy
attr GPIO21 devStatelcon on:power.on off:power.off
attr GPIO21 room GPIO-IO
attr GPIO21 setList on off
define off_GPIO21 notify GPIO21:off {{system("sudo gpio -g mode 21 out")}};{system("sudo gpio -g
write 21 1")}}
define on_GPIO21 notify GPIO21:on {{system("sudo gpio -g mode 21 out")}};{system("sudo gpio -g
write 21 0")}}

define GPIO6 dummy
attr GPIO6 devStatelcon on:power.on off:power.off
attr GPIO6 room GPIO-IO
attr GPIO6 setList on off
define off_GPIO6 notify GPIO6:off {{system("sudo gpio -g mode 6 out")}};{system("sudo gpio -g write
6 1")}}
define on_GPIO6 notify GPIO6:on {{system("sudo gpio -g mode 6 out")}};{system("sudo gpio -g write
6 0")}}

define GPIO5 dummy
attr GPIO5 devStatelcon on:power.on off:power.off
attr GPIO5 room GPIO-IO
attr GPIO5 setList on off
define off_GPIO5 notify GPIO5:off {{system("sudo gpio -g mode 5 out")}};{system("sudo gpio -g write
5 1")}}
```

```
define on_GPIO5 notify GPIO5:on {{system("sudo gpio -g mode 5 out");};{system("sudo gpio -g write 5 0")}}
```

```
define GPIO20 dummy
```

```
attr GPIO20 devStateIcon on:power.on off:power.off
```

```
attr GPIO20 room GPIO-IO
```

```
attr GPIO20 setList on off
```

```
define off_GPIO20 notify GPIO20:off {{system("sudo gpio -g mode 20 out");};{system("sudo gpio -g write 20 1")}}
```

```
define on_GPIO20 notify GPIO20:on {{system("sudo gpio -g mode 20 out");};{system("sudo gpio -g write 20 0")}}
```

```
define GPIO26 dummy
```

```
attr GPIO26 devStateIcon on:power.on off:power.off
```

```
attr GPIO26 room GPIO-IO
```

```
attr GPIO26 setList on off
```

```
define off_GPIO26 notify GPIO26:off {{system("sudo gpio -g mode 26 out");};{system("sudo gpio -g write 26 1")}}
```

```
define on_GPIO26 notify GPIO26:on {{system("sudo gpio -g mode 26 out");};{system("sudo gpio -g write 26 0")}}
```

```
define GPIO19 dummy
```

```
attr GPIO19 devStateIcon on:power.on off:power.off
```

```
attr GPIO19 room GPIO-IO
```

```
attr GPIO19 setList on off
```

```
define off_GPIO19 notify GPIO19:off {{system("sudo gpio -g mode 19 out");};{system("sudo gpio -g write 19 1")}}
```

```
define on_GPIO19 notify GPIO19:on {{system("sudo gpio -g mode 19 out");};{system("sudo gpio -g write 19 0")}}
```