

>D 40

; this script supports only 1 relay

IP=192.168.188.46

SB=2560:1535

; time array for 20 timers (3 elements each)

; number of needed timers times 3 (up to 40)

M:tx=0 60

M:ta=0 60

res=0

cnt=0

tag=0

from=0

to=0

pw=0

lpw=0

p:enable=0

tdis=0

tmp=0

hr=0

min=0

once=0

ps=""

>B

; timer table seperated by colon

; from, to,

; 4 digit time or

; -1 = sunrise

; - 2 = sunset

; day, (day 1 = sunday) or

; 10 = daily

; 11 = week mo-fr

; 12 = weekend sa/su

; random time in minutes

; list starts here

==#ts("0844:0r730:1:0")

==#ts("1430:1630:2:0")

==#ts("-1:-2:3:0")

==#ts("1430:1430:4:0")

==#ts("1630:1630:4:0")

; random Init

rnd(-10)

```

; copy times to table
=#copytime

; months
res=is1(0 "Jan|Feb|Mar|Apr|May|Jun|Jul|Aug|Sep|Oct|Nov|Dec|")

; weekdays
res=is(0 "Sun|Mon|Tue|Wed|Thu|Fri|Sat|")

; set array from string
#ts(ps)
; from
tmp=st(ps : 1)
from=int(tmp/100)*60+(tmp%100)
; to
tmp=st(ps : 2)
to=int(tmp/100)*60+(tmp%100)
; day + random time
tmp=st(ps : 3)
cnt=st(ps : 4)
tag=tmp+(cnt/100)

; copy to array
tx=from
tx=to
tx=tag

#copytime
; copy array and calculate
for cnt 1 tx[-1] 3
    tag=tx[cnt+2]
    from=tx[cnt]
    to=tx[cnt+1]
    if from==-61 {
        from=sunrise
    }
    if from==-62 {
        from=sunset
    }
    if to==-61 {
        to=sunrise
    }
    if to==-62 {
        to=sunset
    }
}

```

```

; random time
tmp=tag*100%100
if tmp>0 {
    from+=rnd(tmp)-(tmp/2)
    to+=rnd(tmp)-(tmp/2)
}
ta[cnt]=from
ta[cnt+1]=to
ta[cnt+2]=int(tag)

```

next

```

; subroutine for HTML timer table
#wsub
; only in webmode 0
if wm==0 {
    ; show time, weekday and date
    wcs {s}<center><h1 style="color:green;font-size:40px;">%2.0hours%:
%2.0mins%:%2.0secs%</h1><m>%is[wday]% %0day%--%is1[month]%
<br>%0year%{e}
    dp(2 0)
    ps=s(int(sunrise/60))+":"s(sunrise%60)
    wcs {s}Sunrise:{m}%ps%{e}
    ps=s(int(sunset/60))+":"s(sunset%60)
    wcs {s}Sunset:{m}%ps%{e}
    wcs {s}<hr>{m}<hr>{e}
    dp(2)

    wcs {s}<hr>Timerlist:<hr>{e}
    ; show timerlist
    for cnt 1 ta[-1] 3
        tag=ta[cnt+2]&15
        if tag>0 {
            wcs {s}%2.0(cnt/3+1)% : <span style='color:yellow;'>
            if tag>=10 {
                switch tag
                    case 10
                        wcs daily
                    case 11
                        wcs Mo-Fr
                    case 12
                        wcs Sa/Su
                ends
            } else {
                wcs %is[tag]%
            }
        }
    }
}

```

```

wcs </span> => <span style='color:green;'>%2.0(int(ta[cnt]/60))
%:%2.0(ta[cnt]%60)% - %2.0(int(ta[cnt+1]/60))%:%2.0(ta[cnt+1]%60)%</span>
if tag==wday {
    wcs => today{e}
} else {
    wcs {e}
}
}
next
wcs {s}<hr>{e}
}

```

>P

; this is executed on manual power set and disables current interval
tdis=1

>S

```

if once==0
and year>2021 {
    =#copytime
    once=1
}

```

;every minute

min=mins

if chg[min]>0 {

;check times

pw=0

for cnt 1 ta[-1] 3

tag=ta[cnt+2]

from=ta[cnt]

to=ta[cnt+1]

;print %tag% %from% %to%

if ((tag==wday) or (tag==10) or ((tag==11) and (wday>1) and
(wday<7)) or ((tag==12) and ((wday==1) or (wday==7)))) {

;print >>> %tag% %from% %to%

if time>=from

and time<to {

pw=1

}

}

next

;check if power has changed

lpw=pw

```

if chg[lpw]>0
then
    ;disable manual change
    tdis=0
endif

; set power
if pwr[1]!=pw
and enable>0
and tdis==0 {
    =>power1 %pw%
}

; at midnight calculate again
hr=hours
if chg[hr]>0
and hr==0 {
    =#copytime
}
}

if chg[enable]>0 {
    svars
}

>W
; checkbox
@ck(enable "timers active ")
@<hr>
; subroutine to show time and table
%=#wsub

```