

Option base 1

PWM 2, 250,20 ' back light to 25%

```
SetPin 15, intl,touched
SetPin 15, inth,untouched
Colour RGB(blue), RGB(yellow)
Dim key$(45)=( "1", "2", "3", "4", "5", "6", "7", "8", "9", "0", ".", "q", "w", "e", "r", "t",
"y", "u", "i", "o", "p", "*", "a", "s", "d", "f", "g", "h", "j", "k", "l", ":", "/", "z", "x", "c",
"v", "b", "n", "m", "#", "%", "^", "^", " ") length 1
Font 1,2
```

```
Do ' main do
CLS
Text 10,100,"Touch Screen",,1,3
Pause 100
Do:Loop Until pendown
Do
myt$=keybd$("A mix of Text")
Loop Until myt$<>""

Do
myw$=keybd$("7 day or 28 day")
Loop Until myw$="7" Or myw$="28"

Do
myf$=keybd$("Use Flow switch y/n")
Loop Until myf$="y" Or myf$="n"

Do
myr$=keybd$("relay 1 to 4")
Loop Until Instr( 1,"1234",myr$)<>0

Do
myd$=keybd$("Duration 000 to 999")
Loop Until (Len(myd$)=3 And isnum(Mid$(myd$,1,1)) And isnum(Mid$(myd$,2,1))
And isnum(Mid$(myd$,3,1)))

Do
mys$=keybd$("00:00 to 23:59")
Loop Until validtime(mys$)

CLS
Text 0,25,myt$
Text 0,50,myw$
Text 0,75,myf$
Text 0,100,myr$
Text 0,125,myd$
Text 0,150,mys$
Text 0,200,"Touch Screen to Continue",,1,1
Do:Loop Until pendown

Loop ' main loop
```

```

Function validtime(t$)
    validtime=0
    If Len(t$)<>5 And Mid$(t$,3,1)=":" Then Exit Function
    If Not(isnum(Mid$(t$,5,1))) Then Exit Function '0...9
    If Not(Instr(1,"012345",Mid$(t$,4,1))) Then Exit Function '0...5
    If Not(Instr(1,"012",Mid$(t$,1,1))) Then Exit Function ' 0..2
    If Mid$(t$,1,1)="2" And Not(Instr(1,"0123",Mid$(t$,2,1))) Then Exit Function '0..3
    If Instr(1,"01",t$) And Not(isnum(Mid$(t$,2,1))) Then Exit Function
    validtime=1
End Function

```

```

Function isnum(n$)
    isnum = Instr(1,"0123456789",n$)>0
End Function

```

```

Sub touched
    tx=Touch(x):ty=Touch(y)
    If tx=-1 Then Exit Sub
    If ty=-1 Then Exit Sub
    itx=(tx\29):ity=(ty\34)
    PenDown=1:penup=0
End Sub

```

```

Sub untouched
    PenDown=0:penup=1
End Sub

```

```

Function keybd$(msg As string) As string

```

```

    kbuff$=""
    CLS RGB(blue)

```

```

Do
    RBox 0,1, 319, 33,6,RGB(yellow),RGB(blue)
    Text 6,2,msg$,l,,RGB(yellow),RGB(blue)
    RBox 0,34, 319, 33,6,RGB(black),RGB(yellow)
    Text 6,35,kbuff$+" ",l,,RGB(black),RGB(yellow)

```

```

    idx=1
    For y=2 To 5:For x=0 To 10
        RBox x*29,y*34, 29, 34,6,RGB(black),RGB(yellow)
        Text x*29+7,y*34+3,key$(idx),,,RGB(blue),RGB(yellow)
        idx=idx+1
    Next x:Next y
    Text 305,118,"Bs",cm,,1,RGB(blue),RGB(yellow) 'small Bs text
    RBox 261,170,58,34,6,RGB(black),RGB(yellow) ' Shift box
    Text 290,185,"Shift",cm,,1,RGB(blue),RGB(yellow)
    RBox 0,6*34, 319, 34,20,RGB(black),RGB(yellow) 'space bar

```

'will need to set timmer so no touch in say 50 sec's we exit/err/restart pgm

```

Do While penup: Loop ' look for touch
Do While pendown:Loop ' look for no touch

```

Pause 50

```
idx=1 'index into char array
Select Case ity ' extract line touched
```

```
Case 0,1
```

```
keybd$ = kbuff$ 'touching upper text area is EnterKey
```

```
Exit Function
```

```
Case 2 '1st row of keys
```

```
idx = idx+itx
```

```
Case 3 '2nd
```

```
idx = idx+itx+11
```

```
Case 4 '3rd
```

```
idx = idx+itx+22
```

```
Case 5 '4th
```

```
idx = idx+itx+33
```

```
Case 6 'spacebar
```

```
idx=45
```

```
End Select
```

```
k$=key$(idx)
```

```
Select Case key$(idx)
```

```
Case "a" To "z" ' shiftables
```

```
If sf=32 Then
```

```
k$=Chr$(Asc(k$)-sf)
```

```
sf=0
```

```
EndIf
```

```
If Len(kbuff$) <=15 Then kbuff$=kbuff$+k$
```

```
Case "0" To "9", ".", "#", "%", ":", "/", " " 'last part customize by need
```

```
If Len(kbuff$) <=15 Then kbuff$=kbuff$+k$
```

```
Case "^" ' shift flag
```

```
sf=32
```

```
Case "*" ' backspace
```

```
If Len(kbuff$) >1 Then
```

```
kbuff$=Left$(kbuff$, Len(kbuff$)-1)
```

```
ElseIf Len(kbuff$)=1 Then
```

```
kbuff$=""
```

```
EndIf
```

```
End Select
```

```
Loop
```

```
End Function
```