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! variables:
!   a = temporary counter
!   b = ring timeout 100
!   c = timeout on digit input 200
!   d = Reset hold time 100
!   e = EEPROM (password) address @7800H
!   h = Bad password indicator
!   i = temporary counter
!   n = # calls received since last reset 0
!   s = sound generator/switch reg & FIFO addr @FFF0

```

8000 H
8800 H

```

50 "*** Server Reset Machine (Rev 1.0) in operation ***"
100 d = 100 : c = 200 : b = 100 : n = 0
200 @247 = %40 : @2 = %FF : @246 = 0 : @3 = 0
300 s = %FFF0 : E = %7800 : r = 2 : gosub 2000

```

@
2 set Relay High/Low
FF low
FB high
3 2 bit indicates Ring if off

```

! Wait for ring... If no ring before we count up to b,
! we reset the ring count to its initial value by going
! back to line 300...

```

246
247

```

350 i = 0
400 if and(@3,2) = 0 goto 550
450 i = i + 1 : if i < b 400
500 goto 300

```

```

! Got a ring!!! See if time to pick up

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550 " "; r = r - 1 count ring
600 if and(@3,2) = 0 goto 600 let current ring stop
700 if 0 < r 350 has it rang enough

```

```

! Pick up. He has until we count to c to punch in
! a digit...

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```

800 @3 = %20 : i = 0 : n = n + 1 : [";n;"] Call received: ";
850 h = 0
900 if and(@3,4) <> 0 goto 1100 while No Tone
930 i = i + 1 : if i < c 900
950 "Timed out"

```

Not set
bit 3 is higher
No tone

```

! Shoot the little bastard

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```

970 gosub 3000

```

```

! Hang up & then flush the FIFO because he may have
! punched in a digit during the gunshot...

```

```

1000 @3 = 0
1050 if and(@3,4) <> 0 a = @s : goto 1050
1060 goto 300

```

1 2 3
4 5 6
7 8 9
* 0 #

```

! Turn off the dial tone and check the password...

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```

1100 gosub 2500 turn off tone
1200 d = and(@s/16,%F) get digit
1300 if d <> and(@E,%F) h = 1 is it right?
1400 if @E <> %C then E = E + 1 : i = 0 : goto 900

```

```

1500 rem '#' ends password - Reset now

```

```

1550 if h = 1 "Bad password" : goto 970
1600 @2 = %FE : a = 0 : "Resetting server"
1700 a = a + 1 : if d > a 1700
1800 @2 = %FF : goto 970

```

Delay for 12 times

```

! Set up tone generator to produce a dial tone

```

```

2000 @s = %86 : @s = %10 : @s = %90 : rem 440Hz
2100 @s = %A9 : @s = %14 : @s = %B0 : rem 350Hz
2200 @s = %DF : @s = %FF : ret

```

```

! Turn off the dial tone

```

```

2500 @s = %9F : @s = %9E : ret

```

! Turn off the dial tone
2500 @s = %9F ; @s = %BF ; ret

3000 rem gunshot

3100 @s = %E4 ; a = %F0

3200 @s = a ; a = a + 1 ; if %FF >= a 320

3300 ret

EPROM

2000 → 07D0

~~length password then delay
value for reset in Secs~~

password and Reset value

ie

1456#00003,

24934#0009,