

计价器源程序

```

    DAY_PRICE EQU 6FH
    NIGHT_PRICE EQU 6EH
    MIDWAY_PRICE EQU 6DH
    START_PRICE EQU 6CH

```

```

    COUNTL EQU 6BH
    COUNTH EQU 6AH

```

```

    M100 EQU 69H ;外部中断次数
    DISTANCE EQU 68H ;行车距离

```

```

    MS100 EQU 67H
    SEC EQU 66H
    MIN EQU 65H
    HOUR EQU 64H

```

```

    LEDSL EQU 63H ;时分钞显示缓冲区
    LEDSH EQU 62H
    LEDML EQU 61H
    LEDMH EQU 60H
    LEDHL EQU 5FH
    LEDHH EQU 5EH

```

```

    LEDDANJIAL EQU 5DH ;总额，单价显示缓冲区
    LEDDANJIAH EQU 5CH
    LINE_ EQU 5BH
    LEDCOUNT1 EQU 5AH
    LEDCOUNT2 EQU 59H
    LEDCOUNT3 EQU 58H

```

```

    LEDDANJIA2L EQU 57H ;路程，单价显示缓

```

计价器源程序

缓冲区

LEDDANJIA2H	EQU	56H
LINE__	EQU	55H
LINE__	EQU	54H
LEDDISTANCEL	EQU	53H
LEDDISTANCEH	EQU	52H

LEDDAY_PL	EQU	51H	;中途，晚上，白天
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显示缓冲区

LEDDAY_PH	EQU	50H
LEDNIG_PL	EQU	4FH
LEDNIG_PH	EQU	4EH
LEDW_PL	EQU	4DH
LEDW_PH	EQU	4CH

S1	BIT	P1.0
S2	BIT	P1.1
S3	BIT	P1.2
S4	BIT	P1.3

S11	EQU	4BH
S22	EQU	4AH
S33	EQU	49H
S44	EQU	48H

M1	EQU	47H
H1	EQU	46H
M2	EQU	45H
H2	EQU	44H
PRICE	EQU	43H

计价器源程序

```
ORG 0000H

AJMP MAIN
ORG 0003H
AJMP TO
ORG 000BH
AJMP TOTIME
ORG 001BH
AJMP TOSTART
ORG 0030H
MAIN: MOV SP, #70H
      MOV TMOD, #11H
      MOV TH0, #3CH
      MOV TL0, #0B0H

      MOV TH1, #3CH
      MOV TL1, #0B0H
      MOV 22H, #0AH
      SETB EA
      SETB TR0
      SETB EX0
      SETB IT0
      SETB ET0
      SETB ET1
      ;-----RAM单元初始化
      MOV R7, #34
      MOV R0, #69H
LOOPL: MOV @R0, #0
      DEC R0
      DJNZ R7, LOOPL
      MOV COUNTL, #00H
```

步价

起

计价器源程序

```
MOV    COUNTH,  #05H

MOV    DAY_PRICE, #25H      ;
白天价格初始化
MOV    NIGHT_PRICE, #30H    ;
晚上价格初始化
MOV    MIDWAY_PRICE, #10H    ;
中途等待初始化
MOV    START_PRICE,  #50H    ;
起步价初始化

MOV    S11,      #0
MOV    S22,      #0
MOV    S33,      #0
MOV    S44,      #0

MOV    DISTANCE,  #02H

MOV    HOUR,      #12H
```

;-----

; 键盘第一

层扫描程序

; (键盘扫描
主程序)

.*****
;

```
KEY_MAIN:  SETB    TR0
            ACALL   HMS_DIS
            ACALL   T100MSD
            ACALL   T100MSD
            ACALL   T100MSD
            JB      S1,      KEY_MAIN
            ACALL   T10MSD
```

计价器源程序

```

        JB      S1,      KEY_MAIN
        JNB     S1,      $
        SJMP    WAI1

WAI1:    JB      S1,      K1
        ACALL   T10MSD
        JB      S1,      K1
WAIT1:   JNB     S1,      WAIT1
WAI1:    ; INC    S11
        ; MOV    A,      S11
        ; CJNE   A,      #1,      N1
        ;      MOV    M1,      MIN
        ;      MOV    H1,      HOUR
        MOV     R0,      #LEDDANJIAL
        MOV     R2,      #6
        CLR     A
        MOV     COUNTL,A
        MOV     COUNTH,A
        MOV     M100, A
        MOV     DISTANCE,A
BK1:     MOV     @R0, A
        DEC     R0
        DJNZ    R2,      BK1

;起动初始化
        MOV     PRICE ,DAY_PRICE
        MOV     COUNTL, #00H

;起步价
        MOV     COUNTH, #05H
        ;MOV     DISTANCE, #02H
        LCALL   CP_DIS

;总金额和单价显示
K1:      JB      S2,      K2
        ACALL   T10MSD
    
```

计价器源程序

```

                JB      S2,      K2
WAIT2:         JNB      S2,      WAIT2
                INC      S22
                MOV      A,      S22
                CJNE     A,      #1,      NEXT1
                LCALL    PA_DIS
                LJMP     KEY_DJ
NEXT1:         CJNE     A,      #2,      NEXT2

                CLR      TR0
                LCALL    HMS_DIS

                LJMP     KEY_SJ
NEXT2:         CJNE     A,      #3,      K2
                MOV      S22,    #0
                K2:      JB      S3,      K3
                ACALL    T10MSD
                JB      S3,      K3
WAIT3:         JNB      S3,      WAIT3
                INC      S33
                MOV      A,      S33
                CJNE     A,      #1,      NXT1
                LCALL    DP_DIS
NXT1:         CJNE     A,      #2,      NXT2
                CLR      C
                MOV      A,      M2
                SUBB     A,      M1
                MOV      M1,      A
                MOV      A,      H2
                SUBB     A,      H1
                MOV      H1,      A
                ; LCALL    XCSJ_DIS
NXT2:         CJNE     A,      #3,      K3
    
```

计价器源程序

```

MOV      S33,  #0
LCALL    CP_DIS
K3:      JB     S4,    BK_KEY_MAIN
ACALL    T10MSD
JB       S4,    BK_KEY_MAIN
WAIT4:   JNB     S4,    WAIT4
INC       S44
MOV      A,     S44
CJNE     A,     #1,     NT1
MOV      PRICE, DAY_PRICE
LCALL    CP_DIS
NT1:     CJNE     A,     #2,     NT2
MOV      PRICE, NIGHT_PRICE
LCALL    CP_DIS
NT2:     CJNE     A,     #3,     NT3
MOV      PRICE, MIDWAY_PRICE
SETB     TR1
LCALL    CP_DIS
NT3:     CJNE     A,     #4,     BK_KEY_MAIN

MOV      S44,  #0
LJMP     KEY_MAIN
BK_KEY_MAIN: LJMP    WA1

```

```

.*****
;*****
*****

```

```

;
层扫描程序
;
调整程序)
;
(KEY_DJ)

```

键盘第二
(单价

计价器源程序

```

.*****
;
*****
****

KEY_DJ:  JB      S1,      KY1
          ACALL   T10MSD
          JB      S1,      KY1
WAIT5:   JNB      S1,      WAIT5
          INC     S11
          MOV     A,      S11
          CJNE    A,      #1,
NEXT11
          LJMP    DAY_P
NEXT11:   CJNE    A,      #2,
NEXT12
          LCALL   NIG_P
NEXT12:   CJNE    A,      #3,      KY1
          LCALL   MID_P
          MOV     S11,    #0
          LJMP    KEY_MAIN
KY1:      JB      S2,      KY2
          ACALL   T10MSD
          JB      S2,      KY2
WAIT6:   JNB      S2,      WAIT6
          INC     S22
          MOV     A,      S22
          CJNE    A,      #1,      NEXT13
          LCALL   PA_DIS
          LJMP    KEY_DJ
NEXT13:   CJNE    A,      #2,      NEXT14

          CLR     TR0
          LCALL   HMS_DIS
          LCALL   KEY_SJ

```


计价器源程序

```

NEXT14:  CJNE    A,  #3,      KY2
          MOV     S22,  #0
          LJMP    KEY_MAIN
          KY2:    AJMP    KEY_DJ
    
```

```

.*****
;
*****
****
    
```

键盘第

三层扫描程序

(时

间调整程序)

```

;
;
;
;
(KEY_SJ)
.*****
;
*****
****
    
```

```

          KEY_SJ:  JB      S1,      KEY1
                  ACALL   T10MSD
                  JB      S1,      KEY1
          WAIT7:  JNB     S1,      WAIT7
                  INC     S11
                  MOV     A,      S11
                  CJNE    A,      #1,
NEXT21
                  LCALL   HOU_T
          NEXT21:  CJNE    A,      #2,
NEXT22
                  LCALL   MIN_T
          NEXT22:  CJNE    A,      #3,
KEY1
                  MOV     S11,      #0
                  LJMP    KEY_MAIN
    
```

计价器源程序

```

KEY1:  JB      S2,    KEY2
        ACALL   T10MSD
        JB      S2,    KEY2
WAIT8:  JNB      S2,    WAIT8
        INC     S22
        MOV     A,     S22
        CJNE    A,     #1,    NEXT23
        LCALL   PA_DIS
        LJMP    KEY_DJ
NEXT23: CJNE    A,     #2,    NEXT24

        CLR     TR0
        LCALL   HMS_DIS
NEXT24: CJNE    A,     #3,    KEY2
        MOV     S22, #0
        LCALL   KEY_SJ
        LJMP    KEY_MAIN
KEY2:   AJMP    KEY_SJ
    
```

```

.*****
;
*****
*****
    
```

; 键盘第
 四层扫描程序
 ; (闪显 /
 加 1 / 减 1 程序)

```

.*****
;
*****
*****
    
```

```

DAY_P:
        SETB    F0      ;调用定时延时标志位
        LCALL   T100MSD
        LCALL   T100MSD
    
```

计价器源程序

```

;LCALL T100MSD
;LCALL T100MSD
;LCALL T100MSD
MOV LEDDAY_PL, #0AH
MOV LEDDAY_PH, #0AH
LCALL PA_DIS1
;LCALL T100MSD
LCALL T100MSD
LCALL T100MSD
; LCALL T100MSD
;MOV A, DAY_PRICE
;MOV B, #10
;DIV AB
;DA A
; MOV LEDDAY_PL, B
;MOV LEDDAY_PH, A
LCALL PA_DIS
;AJMP LP1
LP1: JB S3, KEY11
; LCALL T10MSD
;JB S3, KEY11
; WAIT9: JNB S3, WAIT9
; INC DAY_PRICE

MOV A, #1
ADD A, DAY_PRICE
DA A
MOV DAY_PRICE, A
MOV A, DAY_PRICE
CJNE A, #99H, KEY11
MOV DAY_PRICE, #0
KEY11: JB S4, KEY12
LCALL T10MSD

```

计价器源程序

```

JB      S4,      KEY12
MOV     A, DAY_PRICE
ADD     A,      #99H
DA      A
MOV     DAY_PRICE, A

```

```

                                CJNE     A,      #00H,      KEY12
                                MOV      A,      #99H
KEY12:      JB      S1,      KEY13
                                ACALL    T10MSD
                                JB      S1,      KEY13
WAIT11:     JNB     S1,      WAIT11
                                INC      S11
                                MOV      A,      S11
                                CJNE     A,      #1,
NEXT31
                                LCALL    DAY_P
NEXT31:     CJNE     A,      #2,
NEXT32
                                LCALL    NIG_P
NEXT32:     CJNE     A,      #3,
NEXT33
                                LCALL    MID_P
NEXT33:     CJNE     A,      #4,      KEY13
                                MOV      S11,    #0
                                JB      S2,      KEY14
                                LCALL    T10MSD
                                JB      S2,      KEY14
WAIT12:     JNB     S2,      WAIT12
                                LJMP     KEY_MAIN
KEY14:     AJMP     DAY_P

```

计价器源程序

```
;-----  
-----  
NIG_P:  SETB    F0      ;调用定时延时标志位  
        LCALL   T100MSD  
        LCALL   T100MSD  
        ; LCALL   T100MSD  
        ; LCALL   T100MSD  
        ; LCALL   T100MSD  
        MOV     LEDNIG_PL,    #0AH  
        MOV     LEDNIG_PH,    #0AH  
        LCALL   PA_DIS1  
        LCALL   T100MSD  
        LCALL   T100MSD  
        ; LCALL   T100MSD  
        ; LCALL   T100MSD  
        ; LCALL   T100MSD  
        LCALL   PA_DIS  
        JB      S3,      KEY21  
        LCALL   T10MSD  
        JB      S3,      KEY21  
; WAIT13:  JNB     S3,      WAIT13  
;-----  
        MOV     A,      #1  
        ADD     A,      NIGHT_PRICE  
        DA      A  
        MOV     NIGHT_PRICE, A  
        CJNE    A,      #99H, KEY21  
        MOV     NIGHT_PRICE, #0  
  
KEY21:   JB      S4,      KEY22  
        LCALL   T10MSD  
        JB      S4,      KEY22
```

计价器源程序

; WAIT14: JNB S4, WAIT14

; -----

```

MOV    A,    NIGHT_PRICE
ADD    A,    #99H
DA      A
MOV    NIGHT_PRICE, A
CJNE   A,    #00H,    KEY22
MOV    NIGHT_PRICE, #99H
    
```

```

KEY22: JB      S1,      KEY23
        ACALL   T10MSD
        JB      S1,      KEY23
WAIT15: JNB     S1,      WAIT15
        INC     S11
        MOV     A,      S11
        CJNE   A,      #1,
    
```

NEXT41

```

        LCALL   DAY_P
NEXT41: CJNE   A,      #2,
NEXT42
    
```

```

        LCALL   NIG_P
NEXT42: CJNE   A,      #3,
NEXT43
    
```

```

        LCALL   MID_P
NEXT43: CJNE   A,      #4,      KEY23
        MOV     S11,    #0
        LJMP    KEY_DJ
    
```

```

KEY23: JB      S2,      KEY24
        LCALL   T10MSD
        JB      S2,      KEY24
    
```

计价器源程序

```

WAIT30: JNB      S2,      WAIT30
        LJMP     KEY_MAIN

KEY24:  AJMP     NIG_P

; -----
; -----
; -----

MID_P:  SETB     F0      ;调用定时延时标志位
        LCALL    T100MSD
        ; LCALL   T100MSD
        ; LCALL   T100MSD
        ; LCALL   T100MSD
        MOV      LEDW_PL, #0AH
        MOV      LEDW_PH, #0AH
        LCALL    PA_DIS1
        LCALL    T100MSD
        ; LCALL   T100MSD
        ; LCALL   T100MSD
        ; LCALL   T100MSD
        LCALL    PA_DIS
        JB       S3,    KEY31
        LCALL    T10MSD
        JB       S3,    KEY31
; WAIT16: JNB     S3,    WAIT16
;         ; INC     MIDWAY_PRICE
        MOV      A,     MIDWAY_PRICE
        ADD      A,     #1
        DA       A
        MOV      MIDWAY_PRICE, A
        CJNE     A,     #99H, KEY31
        MOV      MIDWAY_PRICE, #00H
    
```

计价器源程序

```

;-----
KEY31: CJNE    A,  #100,    KEY31
        MOV     MIDWAY_PRICE,  #0
        JB      S4,      KEY32
        LCALL   T10MSD
        JB      S4,      KEY32
;WAIT17: JNB     S4,      WAIT17

        MOV     A,  MIDWAY_PRICE
        ADD     A,  #99H
        DA      A
        MOV     MIDWAY_PRICE,  A
        CJNE    A,  #00H,    KEY32
        MOV     NIGHT_PRICE,  #99H

KEY32:  JB      S1,      KEY33
        ACALL   T10MSD
        JB      S1,      KEY33
WAIT18: JNB     S1,      WAIT18
        INC     S11
        MOV     A,      S11
        CJNE    A,      #1,
NEXT51  LCALL   DAY_P
        NEXT51: CJNE    A,      #2,
NEXT52  LCALL   NIG_P
        NEXT52: CJNE    A,      #3,
NEXT53  LCALL   MID_P
        NEXT53: CJNE    A,      #4,      KEY33
        MOV     S11,      #0
        LJMP    KEY_DJ
    
```


计价器源程序

```

KEY33:  JB      S2,      KEY34
        LCALL   T10MSD
        JB      S2,      KEY34
WAIT31: JNB      S2,      WAIT31
        LJMP    KEY_MAIN
    
```

```

KEY34:  AJMP    MID_P
    
```

```

;-----
-----
-----
    
```

```

HOU_T:  SETB    F0      ;调用定时延时标志位
        LCALL   T100MSD
        LCALL   T100MSD
        MOV     LEDHL,  #0AH
        MOV     LEDHH,  #0AH
        LCALL   HMS_DIS1 ;直接调用显示 ,
不经过拆分程序
        LCALL   T100MSD
        LCALL   T100MSD
        MOV     SEC,    #0
        LCALL   HMS_DIS
        JB      S3,      KEY41
        ; LCALL   T10MSD
        ; JB      S3,      KEY41
; WAIT19: JNB      S3,      WAIT19
    
```

```

        MOV     A,      HOUR
        ADD     A,      #1
        DA      A
        MOV     HOUR,   A
        CJNE    A,      #24H,  KEY41
        MOV     HOUR,   #0
KEY41:  JB      S4,      KEY42
    
```

计价器源程序

```

; LCALL T10MSD
; JB S4, KEY42
; WAIT20: JNB S4, WAIT20
MOV A, HOUR
ADD A, #99H
DA A
MOV HOUR, A
CJNE A, #99H, KEY42
MOV HOUR, #23H
KEY42: JB S1, KEY43
ACALL T10MSD
JB S1, KEY43
WAIT21: JNB S1, WAIT21
INC S1
MOV A, S1
CJNE A, #1,
NEXT61
LJMP HOU_T
NEXT61: CJNE A, #2,
NEXT62
LJMP MIN_T
NEXT62: CJNE A, #3,
KEY43
MOV S1, #0
LJMP KEY_SJ

KEY43: JB S2, KEY44
LCALL T10MSD
JB S2, KEY44
WAIT32: JNB S2, WAIT32
LJMP KEY_MAIN
KEY44: AJMP HOU_T

```

计价器源程序

```

-----
MIN_T:  SETB    F0      ;调用定时延时标志位
        LCALL   T100MSD
        LCALL   T100MSD
        MOV     LEDML,  #0AH
        MOV     LEDMH,  #0AH
        LCALL   HMS_DIS1 ;直接调用显示 ,
不经过拆分程序
        LCALL   T100MSD
        LCALL   T100MSD

        MOV     SEC,    #0
        LCALL   HMS_DIS

        JB      S3,     KEY51
        ; LCALL   T10MSD
        ; JB      S3,     KEY41
; WAIT22:  JNB      S3,     WAIT22

        MOV     A,      MIN
        ADD     A,      #1
        DA      A
        MOV     MIN,    A
        CJNE    A,      #60H,  KEY51
        MOV     MIN,    #0
KEY51:    JB      S4,     KEY52
        ; LCALL   T10MSD
        ; JB      S4,     KEY52
; WAIT23:  JNB      S4,     WAIT23

        MOV     A,      MIN
        ADD     A,      #99H
    
```

计价器源程序

```

DA      A
MOV     MIN,    A
CJNE    A,      #99H,    KEY52
MOV     MIN,    #59H
KEY52:  JB      S1,      KEY53
        ACALL   T10MSD
        JB      S1,      KEY53
WAIT24: JNB     S1,      WAIT24
        INC     S11
        MOV     A,      S11
        CJNE    A,      #1,
NEXT71
        LCALL   HOU_T
NEXT71: CJNE    A,      #2,
NEXT72
        LCALL   MIN_T
NEXT72: CJNE    A,      #3,
KEY53
        SETB    TR0
        MOV     S11,    #0
        LJMP    KEY_SJ

KEY53:  JB      S2,      KEY54
        LCALL   T10MSD
        JB      S2,      KEY54
WAIT33: JNB     S2,      WAIT33
        LJMP    KEY_MAIN
KEY54:  AJMP    MIN_T

```

计价器源程序

```
-----  
; 时钟中断  
TOTIME:  PUSH PSW  
          PUSH ACC  
          MOV TH0, #3CH  
          MOV TL0, #0B0H  
          INC MS100  
          MOV A, MS100  
          CJNE A, #10, RETURN  
          MOV MS100, #0  
          MOV A, SEC  
          ADD A, #1  
          DA A  
          MOV SEC, A  
          CJNE A, #60H, RETURN  
          MOV SEC, #0  
          MOV A, #1H
```

计价器源程序

```

ADD    A, MIN
DA     A
MOV    MIN,A
CJNE   A, #60H, RETURN
MOV    MIN, #0
MOV    A, #1H
ADD    A, HOUR
DA     A
MOV    HOUR,A
CJNE   A, #24H, RETURN
MOV    HOUR, #0
RETURN: POP    ACC
        POP    PSW
        RETI

```

```

;
; 外部霍尔中断
TO:    PUSH    PSW
        PUSH    ACC
        ;      MOV    A, @R0
        ;      MOV    B, #10
        ;      DIV    AB
        ;      MOV    20H, A
;算出当前价格
转 100次的钱数 ,并给 20H单元

```

```

MOV    A, #1
ADD    A, M100
MOV    M100,A
MOV    A, M100
CJNE   A, #100, RETURN1
MOV    M100,#0
INC    21H

MOV    A, 21H

```

计价器源程序

```

了 1公里
    CJNE    A,    #0AH,    RETURN1    ;已经到

    MOV     21H, #0
    MOV     A,    #1
    ADD     A,    DISTANCE
    DA      A
    MOV     DISTANCE ,A
    ;ACALL DP_DIS

    MOV     A,    PRICE
    ADD     A,    COUNTL
    DA      A
    MOV     COUNTL, A
    CJNE    A,    #10H, RETURN1
    MOV     COUNTL, #0
    MOV     A,    #1
    ADD     A,    COUNTH
    DA      A
    MOV     COUNTH, A
    CJNE    A,    #99H,    RETURN1
    MOV     COUNTH, #0
    ;ACALL  CP_DIS

RETURN1:    POP     ACC
            POP     PSW
            RETI

TOSTART:    PUSH    PSW
            PUSH    ACC
            MOV     TH1,    #3CH
            MOV     TL1,    #0B0H
            DJNZ    22H,    RETURN2    ; 1S未到返

```

回

计价器源程序

```

MOV      22H,      #0AH
MOV      A,        #1
ADD      A,        23H
; 23H,存放秒,24H存放分
DA       A
MOV      23H,      A
CJNE     A,        #60H,    RETURN2
MOV      23H,      #0
MOV      A,        #1
ADD      A,        24H
DA       A
MOV      24H,      A
CJNE     A,        #10H,    RETURN2
MOV      24H,      #0
MOV      A,        START_PRICE
ADD      A,        COUNTL
DA       A
MOV      COUNTL,   A
CJNE     A,        #10H,    RETURN2
MOV      COUNTL,   #0
MOV      A,        #1
ADD      A,        COUNTH
DA       A
MOV      COUNTH,   A
CJNE     A,        #99H,    RETURN2
MOV      COUNTH,   #0
RETURN2: POP      ACC
        POP      PSW
        RETI

```

```

; -----
; -----

```

```

. *****
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```

```

; ***** 显示子程序 *****

```


计价器源程序

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功能 :分四屏幕显示数据 , 时分秒

(HMS_DIS) 总额 + 单价 (CP_DIS) 路程 + 单价

(DP_DIS) 单价调整 (PA_DIS)

使用资源 :使用第三组寄存器 R7,R6,R1,R0

时钟显示 (包括时分秒调整)

HMS_DIS: PUSH ACC ; (hour minutes
second display)

PUSH PSW

SETB RS1

MOV R0, #SEC

;时分秒的拆

分 (三个字节)

MOV R1, #LEDSL

MOV R6, #03H

LOOP1: MOV A, @R0

MOV B, A

ANL A, #0FH

MOV @R1, A

DEC R1

MOV A, B

SWAP A

ANL A, #0FH

MOV @R1, A

DEC R1

DEC R0

DJNZ R6, LOOP1

POP PSW

POP ACC

HMS_DIS1: PUSH ACC
PUSH PSW

计价器源程序

```

MOV R7, #06H
MOV R0, #LEDSL
LOOP: MOV A, @R0
      MOV DPTR, #TAB
      MOVC A, @A+DPTR
      MOV SBUF, A
      BK: JBC TI, NEXT
          SJMP BK
NEXT: DEC R0
      DJNZ R7, LOOP
      CLR RS1
      POP PSW
      POP ACC
      RET

```

;总金额和单价显示

```

CP_DIS: PUSH ACC ; (count
price display)
        PUSH PSW
        SETB RS1

```

```

MOV R0, #COUNTH ;
MOV R1, #LEDCOUNT2
MOV A, @R0
MOV B, A
ANL A, #0FH
MOV @R1, A
DEC R1
MOV A, B
SWAP A
ANL A, #0FH
MOV @R1, A

```

计价器源程序

金额低位

```
MOV LEDCOUNT1, COUNTL
MOV A, LEDCOUNT1
```

;送总

```
MOV DPTR, #TAB
MOVC A, @A+DPTR
MOV SBUF, A
JNB TI, $
CLR TI
```

中位

```
MOV A, LEDCOUNT2
```

;送总金额

```
MOV DPTR, #TAB
MOVC A, @A+DPTR
CPL ACC.4
MOV SBUF, A
JNB TI, $
CLR TI
```

高位

```
MOV A, LEDCOUNT3
```

;送总金额

```
MOV DPTR, #TAB
MOVC A, @A+DPTR
MOV SBUF, A
JNB TI, $
CLR TI
CLR RS1
```

线 (短线的字型码是 0FEH)

```
MOV SBUF, #0FEH
JNB TI, $
CLR TI
```

;送短

计价器源程序

单价拆分 (两个字节)

```
MOV R0, #PRICE; (@@@) ;
```

```
MOV R1, #LEDDANJIAL
```

```
MOV R6, #03H
```

```
MOV A, @R0
```

```
MOV B, A
```

```
ANL A, #0FH
```

```
MOV @R1, A
```

```
DEC R1
```

```
MOV A, B
```

```
SWAP A
```

```
ANL A, #0FH
```

```
MOV @R1, A
```

```
DEC R1
```

单价低位

```
MOV A, LEDDANJIAL ;送
```

```
MOV DPTR, #TAB
```

```
MOVC A, @A+DPTR
```

```
MOV SBUF, A
```

```
JNB TI, $
```

```
CLR TI
```

价高位

```
MOV A, LEDDANJIAH ;送单
```

```
MOV DPTR, #TAB
```

```
MOVC A, @A+DPTR
```

```
CPL ACC.4
```

```
MOV SBUF, A
```

```
JNB TI, $
```

```
CLR TI
```

```
POP PSW
```

计价器源程序

```
POP ACC  
RET
```

;路程和单价显示

```
DP_DIS: PUSH ACC ;(distance  
price display)
```

```
PUSH PSW  
SETB RS1
```

```
MOV R0, #PRICE ;单价的  
拆分 (一个字节)
```

```
MOV R1, #LEDDANJIAL  
MOV A, @R0  
MOV B, A  
ANL A, #0FH  
MOV @R1, A  
DEC R1  
MOV A, B  
SWAP A  
ANL A, #0FH  
MOV @R1, A  
DEC R1
```

```
MOV A, LEDDANJIAL ;送单价  
低位
```

```
MOV DPTR, #TAB  
MOVC A, @A+DPTR  
MOV SBUF, A  
JNB TI, $  
CLR TI
```

```
MOV A, LEDDANJIAH ;送单价高  
位
```

```
MOV DPTR, #TAB
```

计价器源程序

```

MOVC A, @A+DPTR
CPL ACC.4
MOV SBUF, A
JNB TI, $
CLR TI

```

送短线

```
MOV SBUF, #0FEH ;
```

```

JNB TI, $
CLR TI

```

短线

```
MOV SBUF, #0FEH ;送
```

```

JNB TI, $
CLR TI

```

路程的拆分（一个字节）

```

MOV R0, #DISTANCE
MOV R1, #LEDDISTANCEL
MOV A, @R0
MOV B, A
ANL A, #0FH
MOV @R1, A
DEC R1
MOV A, B
SWAP A
ANL A, #0FH
MOV @R1, A
DEC R1

```

路程低位

```
MOV A, LEDDISTANCEL ;送
```

```
MOV DPTR, #TAB
```

计价器源程序

```

MOVC  A, @A+DPTR
MOV   SBUF, A
JNB   TI, $
CLR   TI

```

路程高位

```

MOV   A, LEDDISTANCEH           ;送

```

```

MOV   DPTR, #TAB
MOVC  A, @A+DPTR
MOV   SBUF, A
JNB   TI, $
CLR   TI
CLR   RS1
POP   PSW
POP   ACC
RET

```

;白天晚上中途等待单价调整

PA_DIS: PUSH ACC ; (Price adjust display)

```

PUSH   PSW
SETB   RS1

```

调整拆分 (三个字节) MOV R0, #DAY_PRICE ;价格

```

MOV   R1, #LEDDAY_PL
MOV   R6, #03H
LOOP2: MOV A, @R0
MOV   B, A
ANL   A, #0FH
MOV   @R1, A
DEC   R1
MOV   A, B
SWAP  A

```

计价器源程序

```
ANL  A,  #0FH
MOV  @R1,A
DEC  R1
DEC  R0
DJNZ R6, LOOP2
POP  PSW
POP  ACC
```

```
PA_DIS1: PUSH  ACC
          PUSH  PSW
```

```
MOV  A, LEDDAY_PL
```

;白天单

价

```
MOV  DPTR, #TAB
MOVC A, @A+DPTR
MOV  SBUF, A
JNB  TI,  $
CLR  TI
```

```
MOV  A,  LEDDAY_PH
MOV  DPTR, #TAB
MOVC A, @A+DPTR
CPL  ACC.4
MOV  SBUF, A
JNB  TI,  $
CLR  TI
```

```
MOV  A, LEDNIG_PL
MOV  DPTR, #TAB
MOVC A, @A+DPTR
MOV  SBUF, A
JNB  TI,  $
CLR  TI
```

;晚上单价

计价器源程序

```

MOV  A, LEDNIG_PH
MOV  DPTR, #TAB
MOVC A, @A+DPTR
CPL  ACC.4
MOV  SBUF, A
JNB  TI, $
CLR  TI

```

待单价

```
MOV  A, LEDW_PL
```

;中途等

```

MOV  DPTR, #TAB
MOVC A, @A+DPTR
MOV  SBUF, A
JNB  TI, $
CLR  TI

```

```

MOV  A, LEDW_PH
MOV  DPTR, #TAB
MOVC A, @A+DPTR
CPL  ACC.4
MOV  SBUF, A
JNB  TI, $
CLR  TI
CLR  RS1

```

```

POP  PSW
POP  ACC
RET

```

TAB: DB

11H, 0D7H, 32H, 92H, 0D4H, 98H, 18H, 0D1H, 10H, 90H
, 0FFH

计价器源程序

```
. ****  
;  
*****  
*****
```

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毫秒延时程序

```
. ****  
;  
*****  
*****
```

```
T10MSD:  SETB RS0  
          MOV R4, #12  
TM:      MOV R3, #128  
TM6:     DJNZ R3, TM6  
          DJNZ R4, TM  
          CLR RS0  
          RET
```

```
T100MSD: MOV      R3,    #200  
D11:     MOV      R4,    #125  
D12:     DJNZ     R4,    D12  
          DJNZ     R3,    D11  
          RET
```

END

计价器源程序