

Example 5.6

Monitor age of T-28

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0

[NOP]

1

T-28 age clock start
command
T28_CLK_STT

T-28 age clock stop
command
T28_CLK_STP

Clock run status
T28_Clk_Run

Clock run status
T28_Clk_Run

Tic_Tmr.DN

TON
Timer Tic_Tmr
Preset 60000
Accum 0

(EN)
(DN)

2

Tic_Tmr.DN

Counts T-28 minutes

CTU
Counter T28_Mn_Ctr
Preset 60
Accum 0

(CU)
(DN)

3

Counts T-28 minutes
T28_Mn_Ctr.DN

Counts T-28 hours

CTU
Counter T28_Hr_Ctr
Preset 24
Accum 0

(CU)
(DN)

Counts T-28 minutes
T28_Mn_Ctr
(RES)

4

Counts T-28 hours
T28_Hr_Ctr.DN

Counts T-28 days

CTU
Counter T28_Dy_Ctr
Preset 30
Accum 0

(CU)
(DN)

Counts T-28 hours
T28_Hr_Ctr
(RES)

5

T-28 age clock start
command
T28_CLK_STT

T28_Clk_Ons
[ONS]

Counts T-28 minutes
T28_Mn_Ctr
(RES)

Counts T-28 hours
T28_Hr_Ctr
(RES)

Counts T-28 days
T28_Dy_Ctr
(RES)

6

T-28 age - minutes

MOV
Source T28_Mn_Ctr.ACC
Dest T28_MIN

T-28 age - hours

MOV
Source T28_Hr_Ctr.ACC
Dest T28_HR

T-28 age - days

MOV
Source T28_Dy_Ctr.ACC
Dest T28_DAY

(End)