LE7D-2

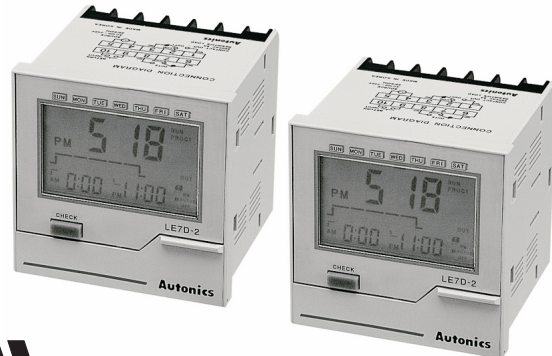## DIN Size W72×H72mm, Weekly Timer

▣Features

- Program is easily checked or changed while operating
- Individual programming of each day or each week
- Independently controlled two outputs, relay, built-in
- Hardware included for both panel and DIN rail mounting
- When mounting base plate, DIN rail mounting is available

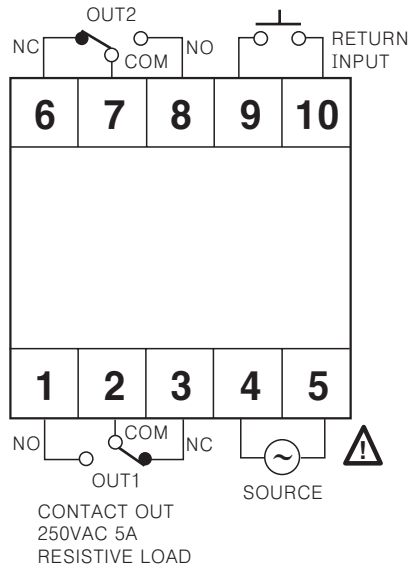⚠ **Please read "Caution for your safety" in operation manual before using.**

c**UL**us

▣Ordering information

| L | E | 7D | – | 2 |

2	2 Relay output
7D	Weekly setting
E	Timer
L	LCD display
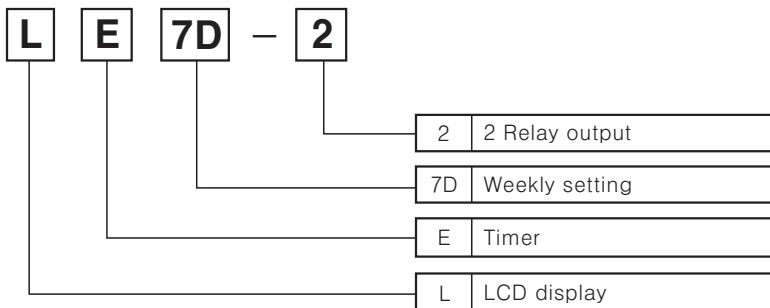
▣Specifications

Model		LE7D-2
Power supply		100-240VAC 50/60Hz
Allowable voltage range		90 ~ 110% of rated voltage
Power consumption		Approx. 3VA(240VAC 60Hz)
RETURN input		Short-circuit or open by switch or relay
Timing program		Programmable 24 STEP
Operation mode		ON/OFF mode, Cycle mode, Pulse mode
Operation cycle		1 week(7days)
Mounting		Front panel, Surface, DIN rail
Time deviation		±15sec/month(25℃) (±4sec/week)
Memory retention		5years without power, 10years with power applied
Control Output	Contact type	Time limit DPDT(2c)
	Contact capacity	250VAC 5A resistive load
	Output number	Independent 2 output(1c × 2)
Relay life cycle	Mechanical	Min.10,000,000 times
	Electrical	Min. 100,000 times(250VAC 5A resistive load)
Insulation resistance		Min. 100MΩ (at 500VDC)
Dielectric strength		2000VAC 50/60Hz for 1minute
Noise strength		±2kV the square wave noise(pulse width:1μs) by the noise simulator
Ambient temperature		-10 ~ 55℃ (at non-freezing status)
Storage temperature		-25 ~ 65℃ (at non-freezing status)
Ambient humidity		35 ~ 85%RH
Approval		c**UL**us
Weight		Approx. 250g

Weekly Timer

▣ Connections

OUT2
NC COM NO
RETURN INPUT

| 6 | 7 | 8 | 9 | 10 |

| 1 | 2 | 3 | 4 | 5 |

NO COM NC
OUT1
SOURCE

CONTACT OUT
250VAC 5A
RESISTIVE LOAD

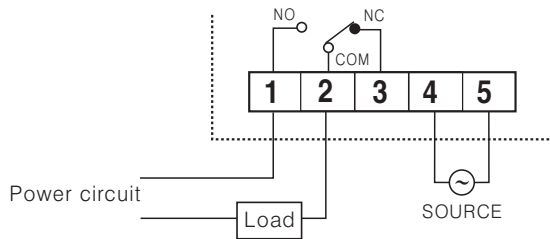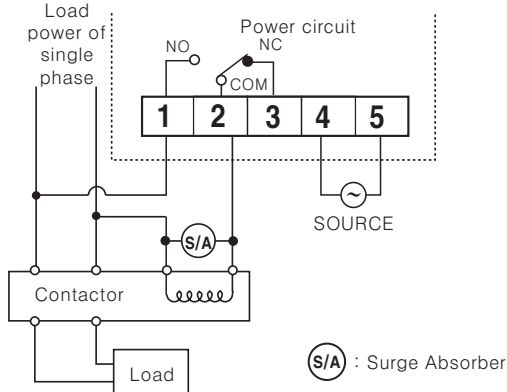## ▣ Load connections for load

When controlling a non−resistive load, please use a contactor and also connect a surge absorber across the coil of the contactor.
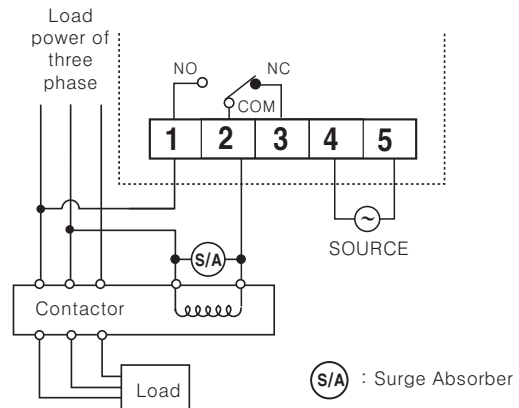
● In case of controlling the load directly

NO NC
COM

| 1 | 2 | 3 | 4 | 5 |

Power circuit
Load
SOURCE

● In case of controlling the load by using a contactor

[Single phase]

Load power of single phase
NO NC
COM
Power circuit

| 1 | 2 | 3 | 4 | 5 |

SOURCE
Contactor
S/A
Load
S/A : Surge Absorber

[Three phase]

Load power of three phase
NO NC
COM

| 1 | 2 | 3 | 4 | 5 |

SOURCE
Contactor
S/A
Load
S/A : Surge Absorber

(A) Counter
(B) Timer
(C) Temp. controller
(D) Power controller
(E) Panel meter
(F) Tacho/ Speed/ Pulse meter
(G) Display unit
(H) Sensor controller
(I) Proximity sensor
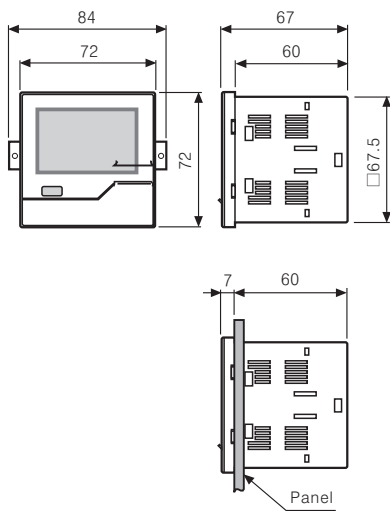(J) Photo electric sensor
(K) Pressure sensor
(L) Rotary encoder
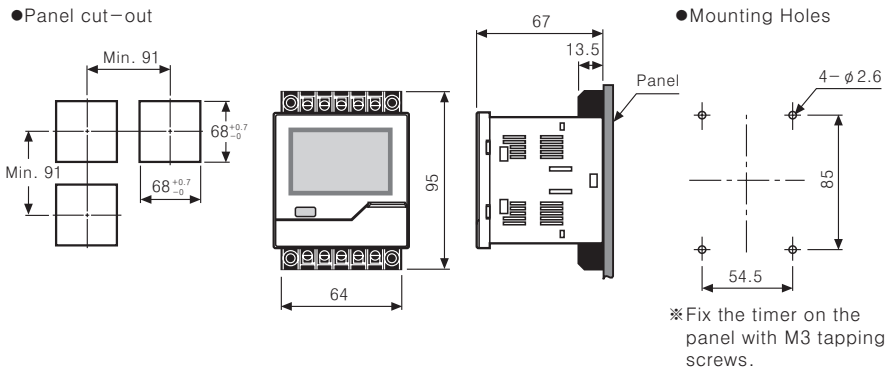(M) 5-Phase stepping motor & Driver & Controller
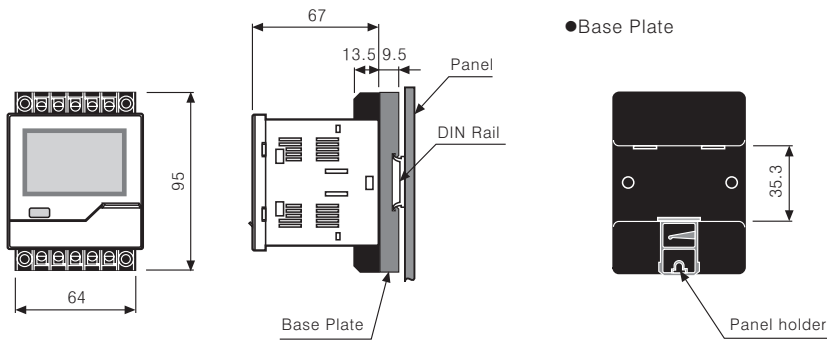
LE7D-2

▣Dimension & Mounting

1) Panel mounting

●Panel cut−out

84
72
67
60
72
67.5

Min. 91
68 +0.7 −0
Min. 91
68 +0.7 −0

7 60

Panel

1) Surface mounting

●Mounting Holes

67
13.5
Panel
95
64

4−φ2.6
85
54.5

※Fix the timer on the panel with M3 tapping screws.

3) Mounting ON DIN Rail

●Base Plate

67
13.5 9.5
Panel
DIN Rail
95
64

35.3

Base Plate

Panel holder

Unit:mm

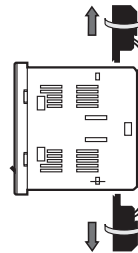## ▣How to modify the mounting method from the front panel to surface mount

Remove terminals from the body after unscrewing terminal screws, and then assemble terminals to the body after rotating terminals as below figure.
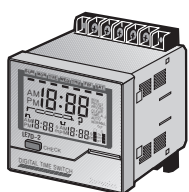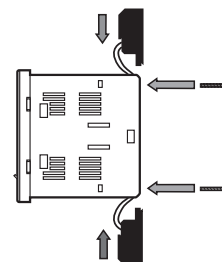
①Unscrew 4bolts from terminal block.
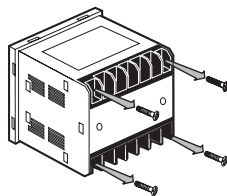
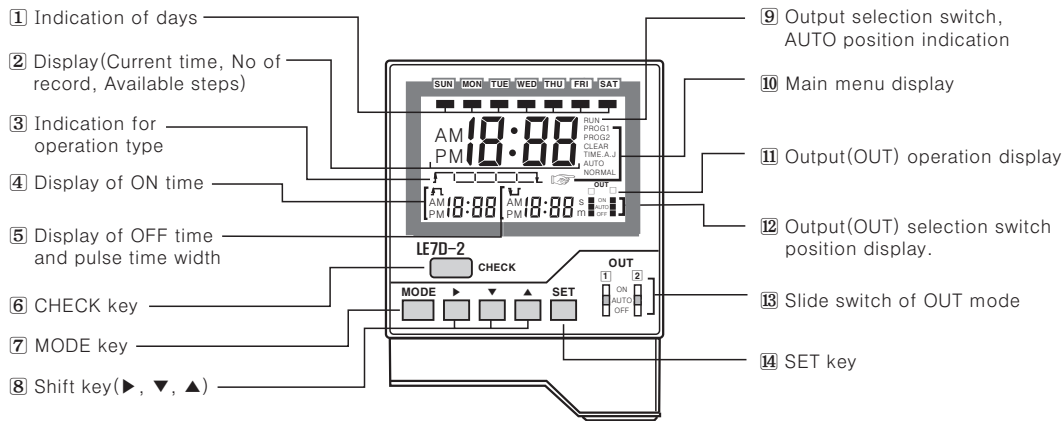②Detach terminal block from case and then rotate it 180°.

(Front panel mounting)

③Assemble terminal block to case by using the 4 bolts

(Surface mounting)

Autonics
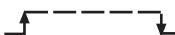
■Front Panel identification

① Indication of days

② Display(Current time, No of record, Available steps)

③ Indication for operation type

④ Display of ON time

⑤ Display of OFF time and pulse time width

⑥ CHECK key

⑦ MODE key

⑧ Shift key(▶, ▼, ▲)

⑨ Output selection switch, AUTO position indication

⑩ Main menu display

⑪ Output(OUT) operation display

⑫ Output(OUT) selection switch position display.

⑬ Slide switch of OUT mode

⑭ SET key

■Front panel

①Indication of week day(s)
• Light ON:Status of the day has been set.
• Light OFF:Status of the day has not been set.
☞ When the flicker is on the day has been set :
  Repeatedly flickers by turn(0.25sec)
☞ When the flicker is on the day has not been set :
  Repeatedly flickers by turn(0.5sec)

②Display(Current time, No of record, Available steps)
• RUN mode : Display the current time
• Program modify and check mode :
  Display the record No. of program that has been set.
• Program setting mode :
  Display available steps remaining, Total steps:24 steps

③Indication of operation type
Display the type of operation which have been set at "PROG1" and "PROG2".
●ON/OFF operation
●Cycle operation
●Pulse operation

④Display of ON time
Display ON time that has been set in "PROG1" and "PROG2".

⑤Display of OFF time and pulse time width
Display ON time that has been set in "PROG1" and " PROG2".
●It displays OFF time during ON/OFF operation and Cycle operation.
●It displays the width of pulse time during Pulse operation.

⑥CHECK Key
This key can be used to set, modify program or change day.

⑦MODE Key
This key can be used to set, modify, remove program and set current time, select AUTO or NORMAL mode.

⑧Shift key(▶, ▼, ▲)
This key can be used to set, modify program or change day.

⑨Output selection switch, AUTO position indication
Display status of OUT selection switches.
●RUN Indicator ON : The OUT selection switches are both set on AUTO position.
●RUN indicator OFF : One of OUT selection switches is set on ON or OFF position.
Note)RUN indicator is shown during RUN mode.

⑩Main menu display
●"PROG1"
  PROGRAM1 operation(Light ON), modification and setting of PROGRAM1, Check PROGRAM1(Flicker)
●"PROG2"
  PROGRAM2 operation(Light ON), modification and setting of PROGRAM2, Check PROGRAM2(Flicker)
  ※If PROG1"and "PROG2" are operationg at the same time, "PROG1" will be illuminated.
●"PROG1" and "CLEAR"
  This mode is to delete the content of "PROG1".
  ※When it is flickering, it will be deleted by pressing SET key for 3sec.
●Select returning to origin.
  ※AUTO
    After power failure, Operation continues according to program setting.
  ※NORMAL
    When it turns on after power failure("☞" Mark flashes) apply Return input signal(Terminal ⑨, ⑩) ("☞" mark turn off), and then the output operates as set program. "☞" mark applies for "NORMAL" mode only and indicates when it turns on after power failure.

⑪OUTPUT(OUT) operation display
Display operation of OUT1 and OUT2.
●No output : Blank
●Output : OUT1 : Display **1**
        OUT2 : Display **2**

⑫Output(OUT) selection switch position display
Display position of Output(OUT) selection switches.

⑬Slide switch of OUT mode
This switch is used to select between operating the output(OUT1,2) according to the program or manually.
●ON
 : Output always ON not related to program.
●OFF
 : Output always OFF not related to program.
●AUTO
 : Output operates according to program.
  〈Output1(OUT1) & Output2(OUT2) are selected independently〉□

⑭SET key
Using when set the programed, corrected or changed data.

LE7D-2

▣Function

1)Programs

There are PROG1 and PROG2 in this unit and 2 outputs. These programs work independantly then drive OUT1 and OUT2. (PROG1 : OUT1, PROG2 : OUT2)
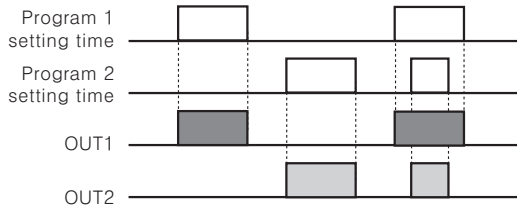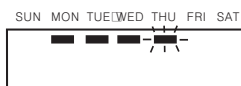

2)Select the day

①Cursor operation when setting the day

When entering into the mode in order to set the day, Sunday will flicker first. After moving the day cursor by pressing ▶ key, select the day by pressing ▼, ▲key.

Ex)When intending to set Monday, Tuesday, Wednesday

Move the cursor to Monday from Sunday by pressing ▶ .

It will be selected as shown in LCD by pressing ▲ , ▼ key. (Monday, Tuesday, Wednesday are steady on and Thursday will flicker.)
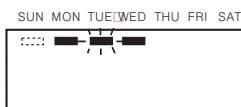

The day selection is completed by pressing SET key.

②Cursor operation when changing the day

Move the flickering cursor to target day by ▶ key, then turn off the cursor by ▼ , ▲ key to complete the day change.

Ex)When need to change Monday, Tuesday, Wednesday to Monday, Wednesday.

When entering into the mode in order to set the day, Sunday will flicker first. (It will flicker by turning on 0.5sec. cycle) Move the flickering cursor to Tuesday by ▶ key.
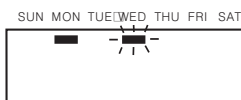
Turn off the light on Tuesday cursor and change the flickering cursor to Wednesday by ▲ , ▼ key. (It will flicker by turning on 0.25sec. cycle)

Press SET key to complete setting.

※If move the cursor with wrong key operation, the previous setting day cursor will be turned off and target setting day cursor will be turned on.

※If the flickering cursor is located on a previously set day, it will flicker by turning on 0.25sec. and it will flicker by turning on 0.5sec. cycle when the cursor is located on the target setting day that is not previously set.

3)Step

● Programmable number of STEPS is 24STEP
This is total number of PROG1 and PROG2.
Also when entering into program setting mode, available STEPS will be displayed.

● Required number of STEP for 1 time setting by each operation form.

＊ON/OFF operation : Total 2 Step

$$\frac{\text{ON day, ON time}}{\text{1 Step}} \quad \frac{\text{OFF day, OFF time}}{\text{1 Step}}$$

＊CYCLE operation : Total 4 Step

$$\frac{\text{ON day, ON time}}{\text{1 Step}} \quad \frac{\text{OFF day, OFF time}}{\text{1 Step}}$$

$$\frac{\text{ON time width}}{\text{1 Step}} \quad \frac{\text{OFF time width}}{\text{1 Step}}$$

＊PULSE operation : Total 1 STEP

$$\frac{\text{ON day, ON time, ON time width}}{\text{1 Step}}$$

4)Operation

①ON/OFF operation

Output will be ON at ON time that has been set in Program and output will be OFF at OFF time that has been set in Program.
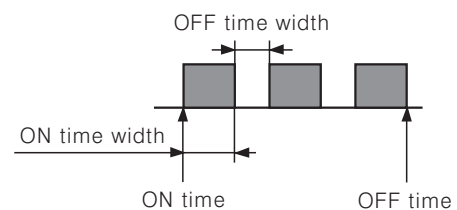－You can set ON day and OFF day differently.
－Min. time setting unit : 1 minute

ON setting time   OFF setting time

②CYCLE operation

Output will be ON for ON time width and OFF for OFF time width for ON time and OFF time that have been set in Program.
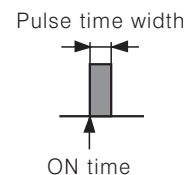－Min. time width of ON or OFF setting unit : 1 minute.

③PULSE operation

Output will be ON for programmed time at ON time that has been set in Program then OFF.
－Output ON pulse time width : 1sec. ~ 59min.

5)Time indication

PM 12:00 will be displayed PM0:00.
Ex)PM 12:20 will be displayed PM 0:20.

▣Function

6) Memory retention

● In case of setting AUTO

When power on again after power off, the output (OUT1, OUT2) operates according to program status.

When selecting "AUTO", the power will be supplied after power failure automatically. Therefore it might cause accident. Please select NORMAL instead of "AUTO" if the possibility of an accident exists.

● In case of setting Normal

When power on again after power off, the output (OUT1, OUT2) operates when the signal is applied at external return input terminal. When power on again after power off, "☞" mark in display window appears and flickers. The output operates according to program status by applying Return input.
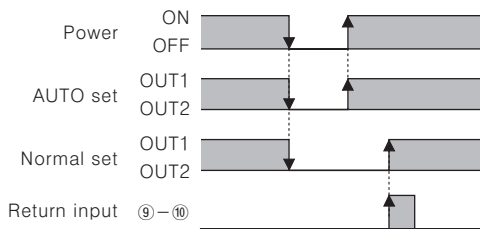
7) How to apply Return input

● Contact signal input

Please select reliable contact if using a switch or Relay

● Solid state signal input

When using solid state input, please use isolation transformer with a separated primary and secondary. If cannot use isolated transformer, please use photo-coupler to separat the input device. Also be sure to check polarity when using solid state element.

⟨External power supply for sensor⟩
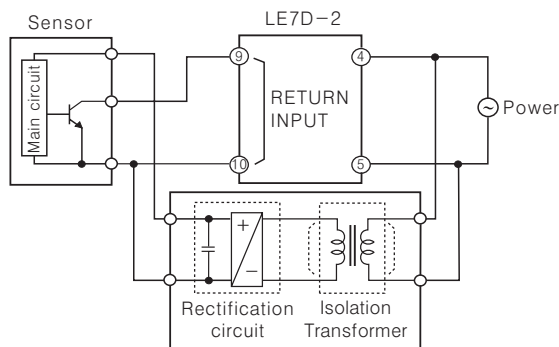
8) RECORD

① This is basic unit of Program to control output.
When checking Program, "r01 to r24" as RECORD will be displayed in LCD.

② Setable number of STEP in 1 RECORD
● ON/OFF operation : 2 STEP per 1 RECORD
(ON day, ON time, OFF day, OFF time setting will be 1RECORD)
● CYCLE operation : 4 STEP per 1 RECORD
(ON day, ON time, OFF day, OFF time, ON time width, OFF time width setting will be 1 RECORD)
● PULSE operation : 1 STEP per 1 RECORD.
(ON day, ON time, Output operation time width setting will be 1 RECORD)

9) Manual output ON/OFF operation
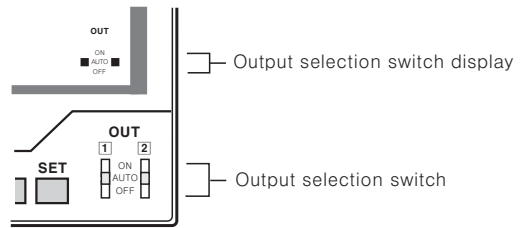
● Output selection switch AUTO position
: Output operation as programmed.
● Output selection switch ON position
: Output is ON not related to program.
● Output selection switch OFF position
: Output is OFF not related to program.
※ Output selection switch position is displayed in LCD always.
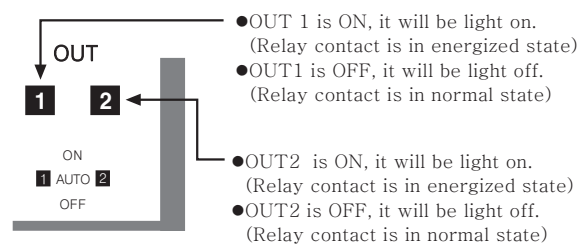
10) Display in LCD

① The size of Display (Time display)
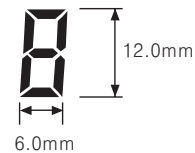
② Operation type display

● ON/OFF operation display :

● CYCLE operation display :

● PULSE operation display :

③ Output operation display

● OUT 1 is ON, it will be light on.
(Relay contact is in energized state)
● OUT1 is OFF, it will be light off.
(Relay contact is in normal state)

● OUT2 is ON, it will be light on.
(Relay contact is in energized state)
● OUT2 is OFF, it will be light off.
(Relay contact is in normal state)

④ Time/Time width display

● ON time display :

● OFF time display :

● ON operation time width display :

● OFF operation time width display :
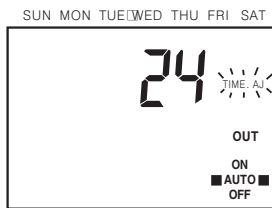
LE7D-2

▣The current time setting

When supplying the power for the first time, the display will appear as shown.
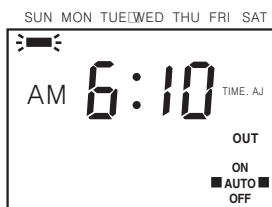Then please set the current time.

Ex)When setting the current time as AM 9:00 Monday

24 PROG1
OUT
ON
■AUTO■
OFF
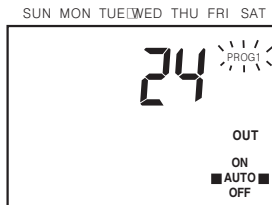
Pressing MODE key for more than 1sec., "PROG1" will be flickering and the total number of STEPS will be displayed.

24 TIME.AJ
OUT
ON
■AUTO■
OFF

Then press MODE key 4 times, "TIME.AJ" will be flickering.

AM **6:10** TIME.AJ
OUT
ON
■AUTO■
OFF

Press SET key.
The time will be displayed as shown and the cursor will flicker on Sunday.

AM **6:10** TIME.AJ
OUT
ON
■AUTO■
OFF
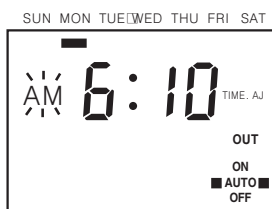
After moving the day cursor to Monday by pressing ▶ key press the ▼, ▲ key to select Monday. It will change from flickering to steady. "AM" is now flickering.

AM **6:10** TIME.AJ
OUT
ON
■AUTO■
OFF
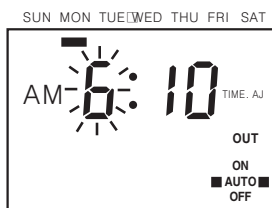
Pressing ▶ key.
Then "AM" is steady on and "Hour" position is flickering.
If the setting time is PM, change AM to PM by pressing ▼, ▲ key then press ▶ key.

AM **9:00** TIME.AJ
OUT
ON
■AUTO■
OFF
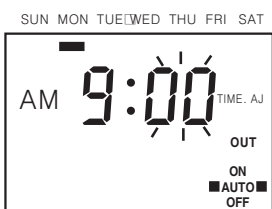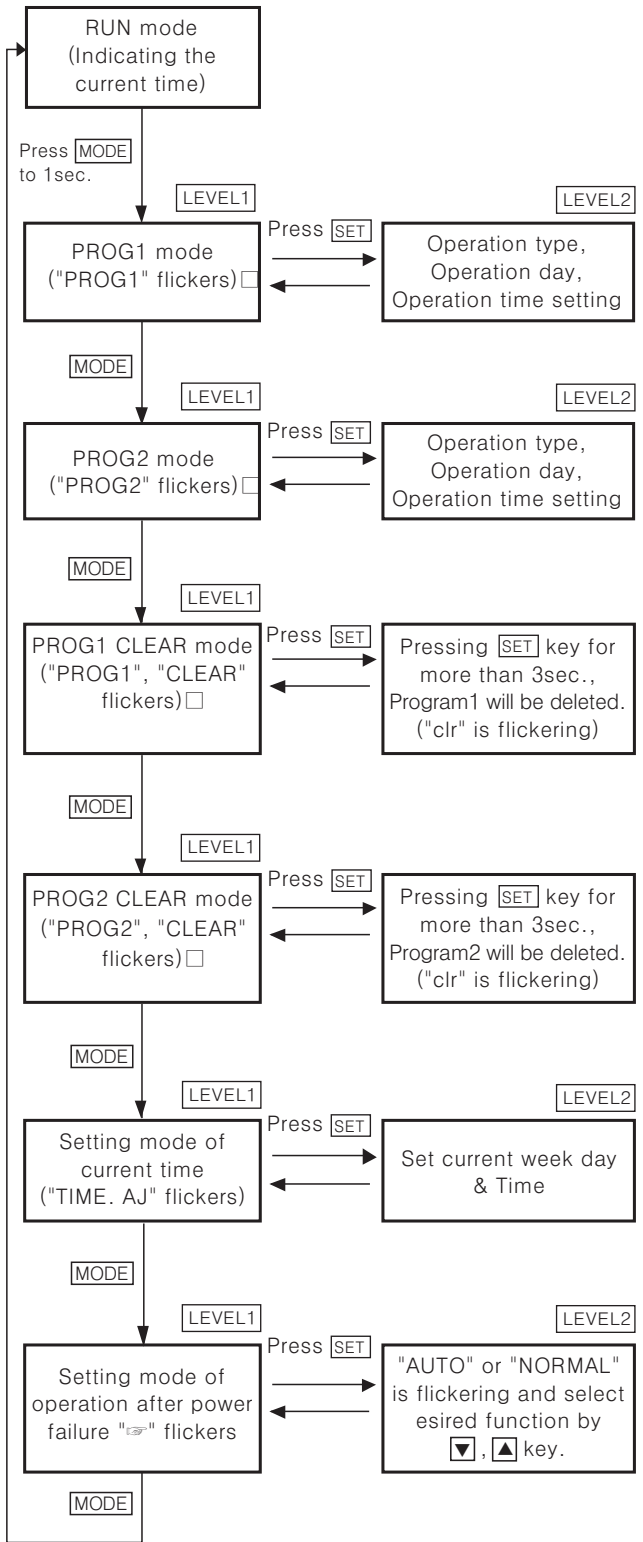
After changing to 9 o'clock with ▲ key then "9" will be steady on by pressing ▶key and "Minute" position is flickering.
After changing to "00"minute by pressing ▲ key then press SET key to complete the current time setting.

AM **9:00** RUN
OUT
ON
■AUTO■
OFF
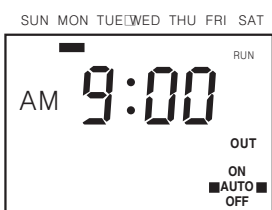
Pressing MODE key 2times, it will return to RUN mode then display the current time.

▣Program setting

RUN mode
(Indicating the current time)

Press MODE to 1sec.

LEVEL1
PROG1 mode ("PROG1" flickers)□

Press SET →
←

LEVEL2
Operation type, Operation day, Operation time setting

MODE

LEVEL1
PROG2 mode ("PROG2" flickers)□

Press SET →
←

LEVEL2
Operation type, Operation day, Operation time setting

MODE

LEVEL1
PROG1 CLEAR mode ("PROG1", "CLEAR" flickers)□

Press SET →
←

Pressing SET key for more than 3sec., Program1 will be deleted. ("clr" is flickering)

MODE

LEVEL1
PROG2 CLEAR mode ("PROG2", "CLEAR" flickers)□

Press SET →
←

Pressing SET key for more than 3sec., Program2 will be deleted. ("clr" is flickering)

MODE

LEVEL1
Setting mode of current time ("TIME. AJ" flickers)

Press SET →
←

LEVEL2
Set current week day & Time

MODE

LEVEL1
Setting mode of operation after power failure "☞" flickers

Press SET →
←

LEVEL2
"AUTO" or "NORMAL" is flickering and select esired function by ▼, ▲ key.

MODE

● It no key is touched for 30sec. at LEVEL1 , it will be returned to operating mode automatically.
● It no key is touched for 30sec. at LEVEL2 , it will be returned to LEVEL1 automatically.
● If MODE key is pushed at LEVEL2 , modified program is cancelled and returned to LEVEL1 automatically.
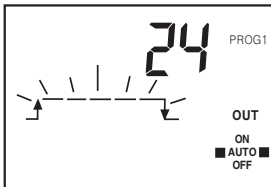
Autonics

Weekly Timer

▣Program setting

1)Set ON/OFF mode in PROG1

Every week Monday, Tuesday, Wednesday OUT1 is ON at AM 8:30 and OUT1 is OFF at PM 6:00.

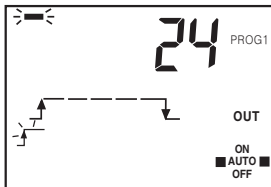| SUN	MON	TUE	WEN	THU	FRI	SAT
	▢	▢	▢			
	AM PM 8:30 6:00	AM PM 8:30 6:00	AM PM 8:30 6:00			
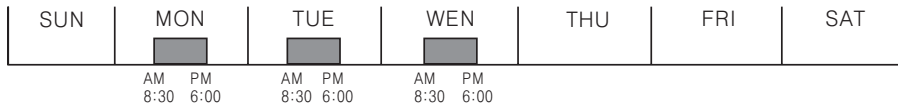
① PROGRAM selection

Press MODE key for more 1sec. then "PROG1" will flicker.
Press SET key to turn on "PROG1" then ON/OFF operation is flickering.

② Select operation mode

ON/OFF operation is being displayed, so press SET key to complete setting of ON/OFF operation.
(The day cursor is flickering on Sunday, " ⌐ " is flickering indication.)

MODE

③ ON day(s) setting
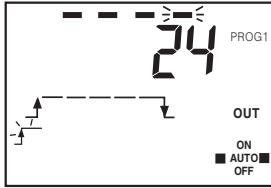
After move the day cursor to Monday by pressing ▶ key 1time(Moday is flickering) then set ON day by pressing ▲ , ▼ key.
(Monday, Tuesday, Wednesday curse will be light on, Thursday cursor is flickering) Then press SET key to complete the ON day setting.
(Thursday cursor is light off and "AM" is flickering)

④ AM/PM setting of ON time

Because ON time is "AM", press ▶ key to complete AM setting.
(" ⌐ ", and Hour position are flickering)
※If ON time is "PM", press ▲ , ▼ key to select "PM" then ▶ key.

⑤ ON time "Hour" setting
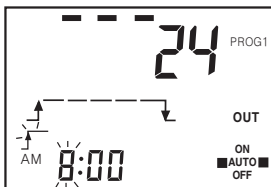
After setting "8" with ▲ key, press ▶ key to complete ON time "Hour" setting. "AM" and "8" are steady on, " ⌐ " and "Minute" position are flickering)

⑥ ON time "Minute" setting

After setting 30minutes by pressing ▲key then press SET key to complete ON time "Minute" setting.
(Sunday cursor is flickering, " ⌐ " is flickering indication)
※ON time "Minute" setting will be completed and STEP indication will be decreased by 1.
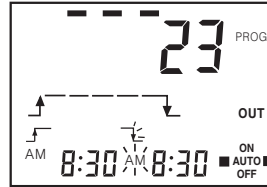
⑦ OFF day(s) setting

Because ON day and OFF day are the same, therefore press SET key, OFF day setting will be completed.
("AM" and " ⌐ " are flickering while ON time of ON day is displayed at OFF time display)
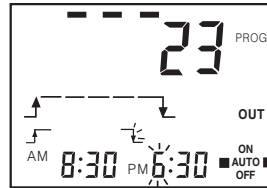
⑧ AM/PM setting of OFF time

Because OFF time is "PM", after selecting "PM" by ▲ or ▼ key then press ▶ key to complete setting.
(" ⌐ " and "Hour" position are flickering indication)

⑨ "Hour" setting of OFF time

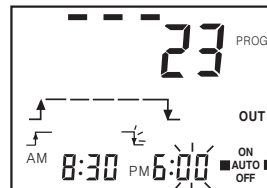After changing it to "6" at "Hour" position by ▼ key then press ▶ key to complete OFF time "Hour"setting.
("PM" and "6" : On steady, " ⌐ " and "Minute"position : Flickering)
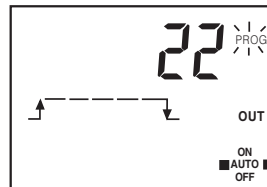
⑩ "Minute"setting of OFF time

After changing it to "00" minute by ▼key then press SET key to complete OFF time "Minute" setting.
※STEP indication will be decreased by 1 when OFF time "Minute" setting is completed.
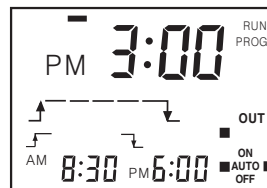
⑪ Setting complete display

After completing the ON/OFF operation setting, PROG1 will be flickering which would allow you to enter another program.

⑫ RUN mode

If programming is completed, press the MODE key 6 times to return to the RUN mode.
The current day, time and program will be displayed.

(A)
Counter

(B)
Timer

(C)
Temp.
controller

(D)
Power
controller

(E)
Panel
meter

(F)
Tacho/
Speed/
Pulse
meter

(G)
Display
unit

(H)
Sensor
controller

(I)
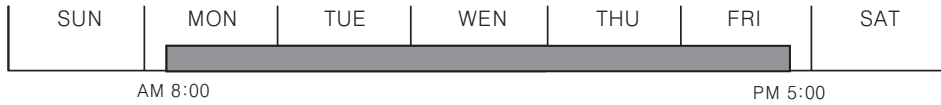Proximity
sensor

(J)
Photo
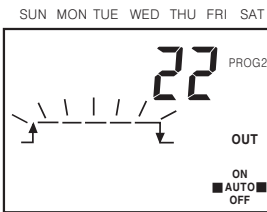electric
sensor

(K)
Pressure
sensor

(L)
Rotary
encoder

(M)
5-Phase
stepping
motor &
Driver &
Controller

LE7D-2

2) Set ON/OFF mode in PROG2

Turn OUT2 on at AM 8:00 every Monday and turn OUT2 off at PM 5:00 Friday.

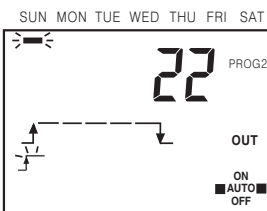| SUN	MON	TUE	WEN	THU	FRI	SAT

AM 8:00   PM 5:00

① PROGRAM selection

Press MODE key for more than 1sec. PROG1 flashes.
Press MODE key once again. then PROG2 flashes.
Then press SET key, "PROG2" turns on and ON/OFF mode flashes.

② Select operation mode

ON/OFF mode is displayed then press SET key ON/OFF mode is set.
※If desired mode is Cycle mode, press ▶ to select Cycle mode (Day cursor flashes at SUN(Sunday), and "⌐" mark flashes.
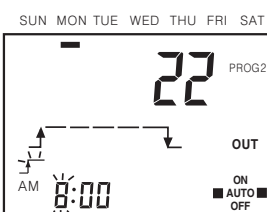
③ Select ON weekday
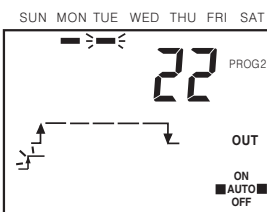
Press ▶ key to move the day cursor to MON and then press ▼ or ▲ once. (MON turns on, TUE flashes)
If press SET key, ON weekday is set. (TUE cursor turns off, "⌐" and "AM" flash)
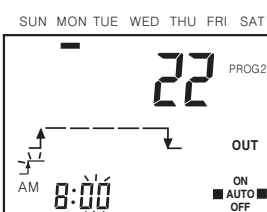
④ Select AM/PM of ON time
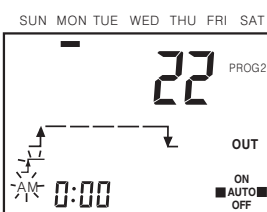
Press ▶ key to set "AM" ON time then AM is set.
(⌐, Hour digit flash)
※If ON time is "PM", press ▼ , ▲ key to select "PM" then ▶ key.

⑤ Select "Hour" of ON time
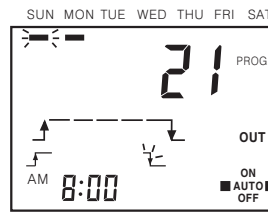
Press ▲ key to set 8 hour, and then press ▶ key, Hour time is set.
("AM" and "8" turn on steady, and minute digits flash) press.

⑥ Select "Minute" of ON time

Set value is "00", so press SET key then Minute is set.
(Day cursor flashes at SUN. "⌐" flashes)
※Minute of ON time is set and STEP indication is reduced by 1.

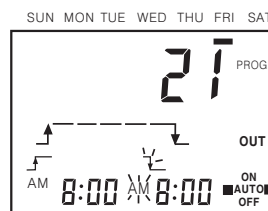### ⑦ Select OFF weekday

Press ▶ key to move the day cursor to MON then press ▼ or ▲ key once. MON turns off and TUE flashes.
Move the day cursor to FRI by pressing ▶ , then press ▼ or ▲ key once. (FRI turns on SAT flashes)
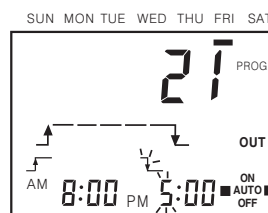Press SET key, OFF weekday is set.

(SAT cursor turns off and ON time of ON day is displayed in OFF time display "AM" and " ⌐ " are flashing.)
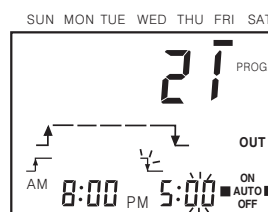
⑧ AM/PM setting of OFF time

OFF time is "PM", therefore press ▼ or ▲ key to select "PM".
Then press ▶ key to set PM.
(" ⌐ " and Hour digit flash)

⑨ Select "Hour" of OFF time
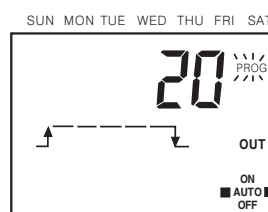
After changing it to 5 at "Hour position by pressing ▼ key, then press ▶ key, Hour time is set.
("PM", Hour digit turn on, ⌐ and Minute digit flash)

⑩ Select "Minute" of OFF time

Set value is "00", so press SET key, then Minute is set.
※Minute of OFF time is set and STEP indication is reduced by 1.

⑪ End setting display

When ON/OFF setting is complete the display to set next program mode appears.

Weekly Timer

(A)
Counter

(B)
Timer

(C)
Temp.
controller

(D)
Power
controller

(E)
Panel
meter

(F)
Tacho/
Speed/
Pulse
meter

(G)
Display
unit

(H)
Sensor
controller

(I)
Proximity
sensor

(J)
Photo
electric
sensor

(K)
Pressure
sensor

(L)
Rotary
encoder

(M)
5-Phase
stepping
motor &
Driver &
Controller

3) Set Cycle mode

From Wednesday AM 8:00 to Thursday PM 5:30, OUT1 turns on for 2 minute and turns off for 3 minute repeatedly.
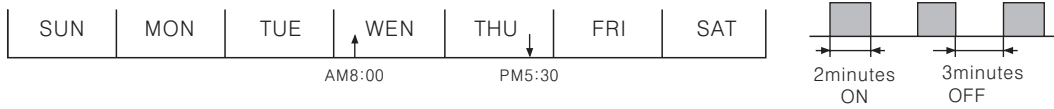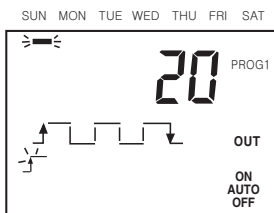

① PROGRAM selection
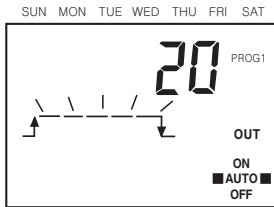
Press MODE key for more than 1sec. then "PROG1" flashes.
Press SET key to turn on "PROG1". (ON/OFF mode flashes)

② Select Cycle mode
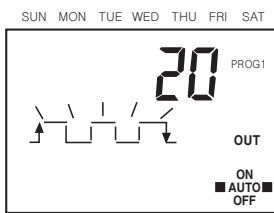
Press ▶ key to select Cycle mode, then Cycle mode flashes.
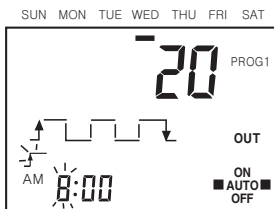Press SET key. Cycle mode is set (SUN cursor flashes, ⌐ flashes)

③ Select ON weekday

Press ▶ key to move SUN cursor to WED then press ▼ or ▲ once. (WED turns on THU flashes)
Press SET key, then ON weeday is set(WED cursor turns on steady, "⌐" flashes)

④ Select AM/PM of ON time
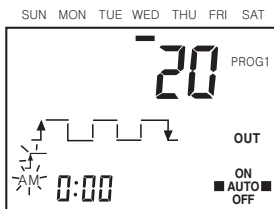
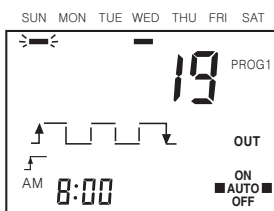Press ▶key to set AM of ON time then AM is set.
(" ⌐ ", Hour digit flash)

⑤ Select Hour of ON time

Set 8 hour by pressing ▲ key then Press SET key, then Hour of ON time is set.
(SUN cursor flashes, " ⌐ " flashes)
※If select minute, press ▶key instead of SET key. then press ▲ or ▼key to set minute..
※Hour of ON time is set and STEP indication is reduced by 1.

⑥ OFF day setting□

Press ▶ key to move SUN cursor to WED, then press ▲ or ▼ once (WED cursor turns off, THU cursor flashes) press ▲ or ▼ once, then THU cursor turns on, FRI cursor flashes). Then press SET key, OFF weekday is set. "AM" and ⌐ are flashing while ON time of ON day is displayed at OFF time display.)

⑦ Select AM/PM of OFF time
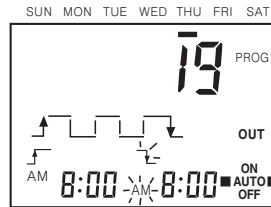
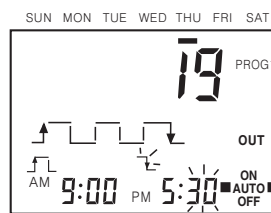OFF time is PM, therefore press ▼ or ▲ key to select PM, then press ▶ to set. (" ⌐ ", Hour digit flash)
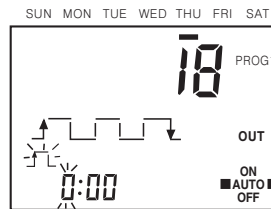
⑧ "Hour" setting of OFF time
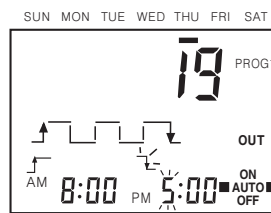
Press ▲ or ▼ key to select 5 then press SET key to set Hour of OFF time.
("PM" & "5" are on steady and " ⌐ " and digit of Minute flash.)

⑨ "Minute"setting of OFF time

Press ▲ or ▼ key to select 30, then press SET key to set Minute of OFF time. (" ⌐ " & Hour digit of ON time width flash).
※Hour of OFF time is set and STEP indication is reduced by 1.

⑩ Select time width of ON time

Press ▶ key to shift to MInute digit, then press ▲key to select 2 of ON time width.
Press SET key to set time width of ON time. (" ⌐ " & Hour digit of OFF time width flash)
※Minute of ON time width is set and STEP indication is reduced by 1.

⑪ Select time width of OFF time
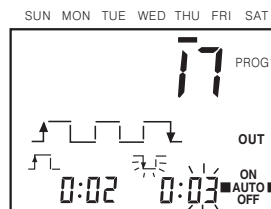
Press ▶ to shift to minute digit, then press ▲key to select 3 of OFF time width, then press SET key to set time width of OFF time.
※Minute of OFF time width is set and STEP indication is reduced by 1.

⑫ Setting end display
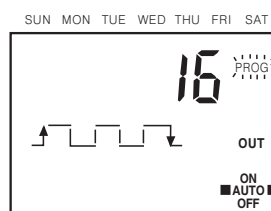
When Cycle setting is complete, the display to set next program appears.

LE7D-2

4) Set PULSE mode

OUT2 turns on for 10sec. at AM 8:50 in Mon.Tue.& Wed.

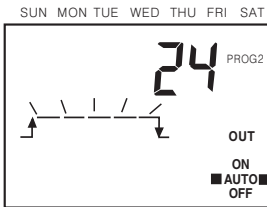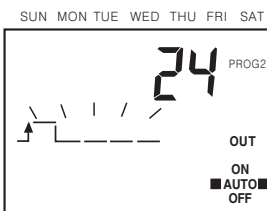| SUN	MON	TUE	WEN	THU	FRI	SAT
	AM8:50	AM8:50	AM8:50			

10sec. ON

① PROGRAM selection

SUN MON TUE WED THU FRI SAT

Select PROG2 use OUT2.
Press MODE key for more than 1sec.
PROG1 flashes, if press MODE once
again. PROG2 flashes, then press
SET key to set PROG2.
("PROG2" turns on, "⌐¬" flashes)

### ② Select the operation mode

SUN MON TUE WED THU FRI SAT

Press ▶ key twice to select pulse
mode, then pulse mode flashes.
Press SET key to set pulse mode.
(SUN cursor flashes, " ⌐ " flashes)

③ Select ON weekday

SUN MON TUE WED THU FRI SAT
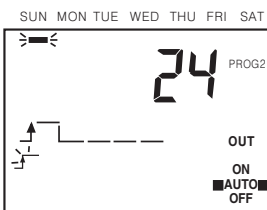
Press ▶ key once to shift SUN
cursor to MON, and press ▼ or ▲
key to set ON weekday.
(MON, TUE, Wed cursor turn on
steady, THU cursor flashes)
Press SET key to set ON weekday
(THU cursor turns off, "AM" of ON
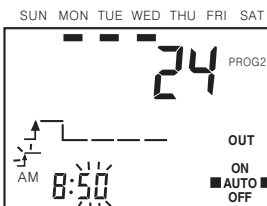time flashes)

④ Select AM/PM of ON time

SUN MON TUE WED THU FRI SAT
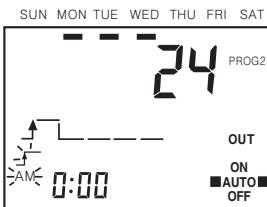
ON time is AM, therefore press ▶
key to set AM.
("⌐ ", Hour digit flash)
※If ON time is PM, select PM by ▼
or ▲ key, then set PM by pressing
▶ key.

⑤ Select Hour of ON time

SUN MON TUE WED THU FRI SAT
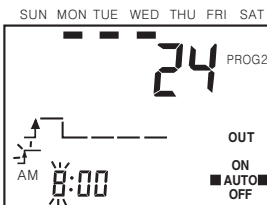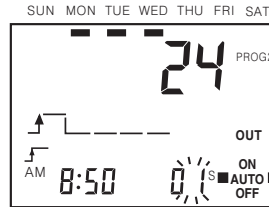
Select 8 by ▲ key, then press ▶ to
set hour of ON time.
("AM" & "8" turn on steady, ⌐ &
minute digit flash)

⑥ Select Minute digit of ON time□

SUN MON TUE WED THU FRI SAT

Press ▲ or ▼ key to set 50minute,
then press SET key to set minute of
ON time.
("⌐ "& "50" turn on steady, "01s"
flashes)

⑦ Select operation time of output

SUN MON TUE WED THU FRI SAT

Select 10sec. by pressing ▲ key,
then press SET key to set PROG2.
※Output operation time is set and
STEP indication is reduced by 1.

Note) Output operation time can be selected from 1sec. to 59min.

If press ▲ key, it can select ┌1sec → 59sec →1min →59min┐
time range as follows:

If press ▼ key, it can select ┌ 59min→1min→ 59sec→1sec ┐
time range as follows:

⑧ Setting end display

SUN MON TUE WED THU FRI SAT
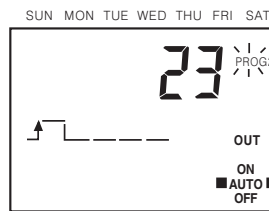
If PULSE mode setting is complete.
the display to set next program
appears.

※When returning to RUN mode, if current time is later than programmed
time, only current time is displayed and output does not operate
that day.

※Indication of set time will appear at TUE & WED AM 0:00 of next
operation, and when current time reaches set time, output operates
10sec. Then indication of set time disappears.
(Note) Set program does not cancel.

※When selecting pulse (⌐¬___) mode at PROG1(or PROG2).
If adding program at PROG1(or PROG2), operation mode of PROG1
(or PROG2) is fixed as pulse(⌐¬___) mode.

※When ON/OFF(⌐¯¯¯¬) or cycle mode(⌐¬_¬_¬) was
selected at PROG1(or PROG2), pulse mode (⌐¬___) cannot
be added at PROG1(or PROG2).

Weekly Timer

■How to change program

1)Program modify

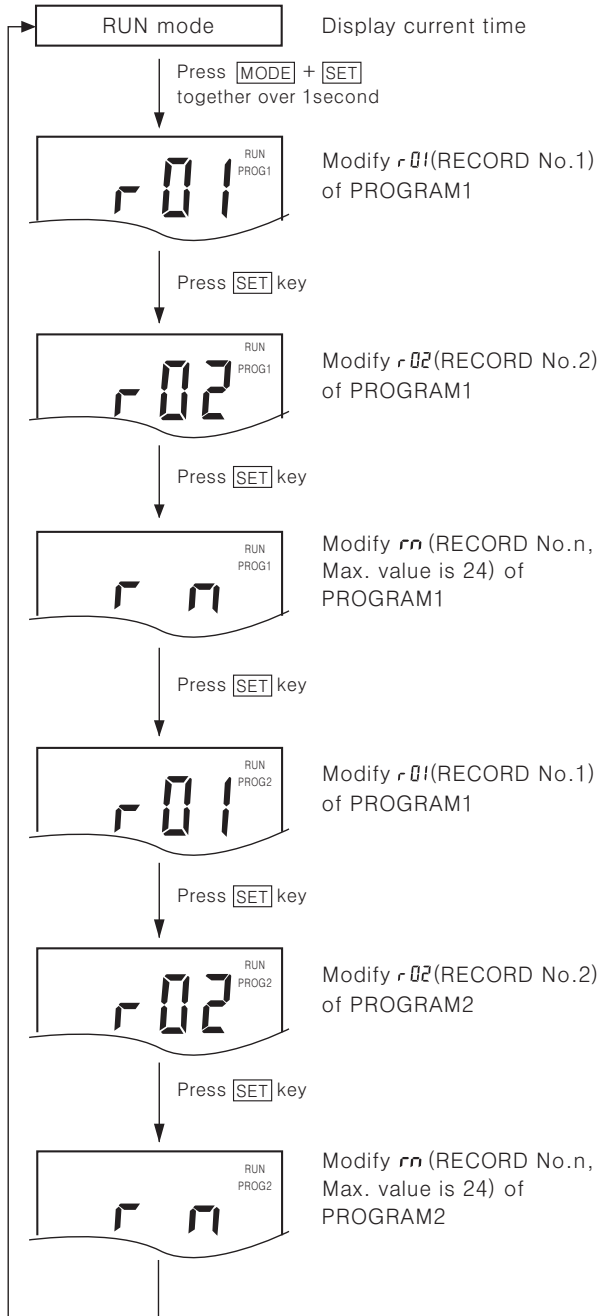The status of several programs are set, this function is used to modify particular part without erasing program.

| RUN mode | Display current time |

Press MODE + SET together over 1second

Modify r01(RECORD No.1) of PROGRAM1

Press SET key

Modify r02(RECORD No.2) of PROGRAM1

Press SET key

Modify rn (RECORD No.n, Max. value is 24) of PROGRAM1

Press SET key

Modify r01(RECORD No.1) of PROGRAM1

Press SET key

Modify r02(RECORD No.2) of PROGRAM2

Press SET key

Modify rn (RECORD No.n, Max. value is 24) of PROGRAM2

※To check program of each record, Use SET key. Press 4 times for ON/OFF mode, press 6times fo CYCLE mode, press 3times for PULSE mode, then display will shift to next RECORD.

※Change set value each record, then press SET key to set it. If press MODE key instead of SET key, program is not changed.

※If no key is touched for 30sec., the status will be retruned to RUN mode should put External key input within 30second otherwise the status will be returned to RUN mode.
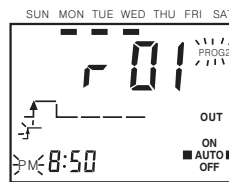
2)Example of program modify

If you want to modify the operation of OUT2 which is ON for 10 second every AM 8:50 on Monday, Tuesday, Wednesday to the operation of OUT2 is ON for 3minute every PM 8:50 on Monday, Tuesday, Wednesday.
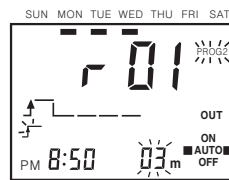
①ON day modify
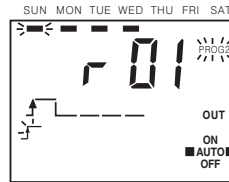
Press SET key because there is no change of day. If there is modification of ON day, change to ON day setting.

②ON time modify

Change AM to PM by pressing ▼ key then SET .

③PULSE time width modify

Set 3 minute with ▲ key then SET.

■Day modify

The program is set to turn on OUT1 at AM 8:30 and turn off at PM 6:00 from every Monday to Saturday. This Friday is special holiday. To change this Friday to Sunday(Holiday) program as follow:

①Day change operation

Able to enter the status of day change operation by pressing CHECK key for 3second continuously in RUN mode.

②Changing day selection
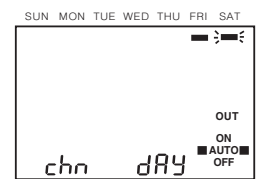
Move day cursor to Friday with ▶ key and select Friday with ▲ or ▼ key then SET .

③Standard day selection
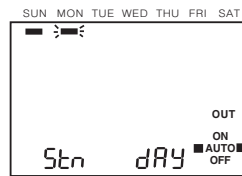
Select Sunday as standard day with ▲ or ▼ key then SET (Setting will be completed and return to RUN mode)

●Change of Weekday applies to next modified day.
●When output of special weekday complete, program of special weekday is cancelled automatically, then returns to prior program.
●If you set full week as holiday, it cannot select standard weekday, therefore it is impossible to change full week.

LE7D-2

▣ Program check

: Press CHECK key to check program for PROG1 and
PROG2.

RUN mode	Display current time

Press CHECK key

Check r01 (RECORD No.1)
of PROGRAM1

Press CHECK key

Check r02 (RECORD No.2)
of PROGRAM1

Press CHECK key

Check rn (RECORD No.n,
Max. value is 24) of
PROGRAM1

Press CHECK key

Check r01 (RECORD No.1)
of PROGRAM1

Press CHECK key

Check r02 (RECORD No.2)
of PROGRAM2

Press CHECK key

Check rn (RECORD No.n,
Max. value is 24) of
PROGRAM2

Press CHECK key
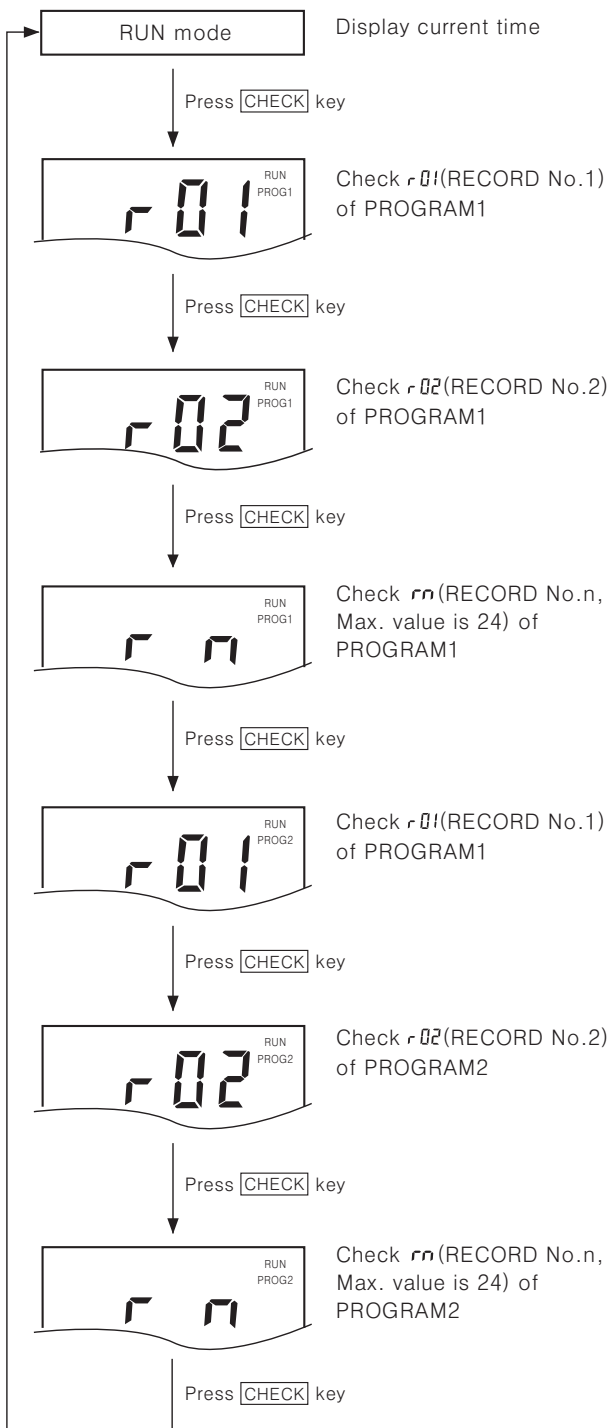
※ On checking each RECORD, if you press MODE key,
or do not touch any key for 30sec.It will return to RUN
mode.

▣ How to change memory retention mode

: Change "AUTO" of memory retention mode to
"NORMAL" of non-memory retention mode as follow.

RUN mode	Display current time

Press Mode key over 1sec.

It indicates available STEP
number and "PROG1" flashes.
※ Available STEP number
does not change with
memory retention mode
modification.

Press Mode key for 5times

"AUTO" indicates and
" ☞ " flashes.

Press SET key

" ☞ " turns on steady,
and "AUTO" flashes.

Press ▼ , ▲ key

Press ▼ or ▲ to change
from flashing "AUTO" to
flashing "NORMAL"

Press SET key

"NORMAL" turns on steady
" ☞ " flashes.
Memory retention mode is
changed, then press Mode
key to retrun RUN mode.

Press Mode key

〈RUN mode 〉
" ☞ " appears when power
on after power failure.
The output does not operate
until you apply return input.

Autonics