LE365S-41

W48×H48mm, Weekly/Yearly Timer
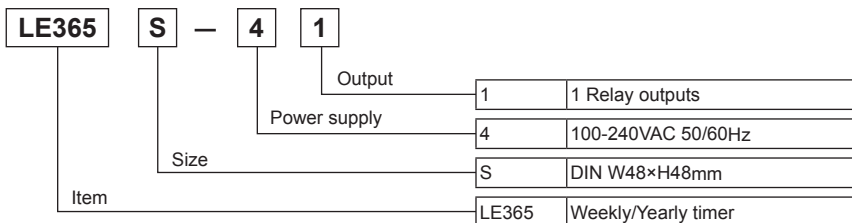
▣ Features

- Easy to check and change the program setting
- Customizable weekly or yearly unit time setting and control by user
- Includes daylight saving time function
- 1 independent control output. (Relay)
- Flush and surface, DIN rail mounting are in one unit.

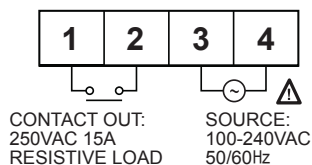⚠ **Please read "Caution for your safety" in operation manual before using.**

CE   c🅁🅄us

▣ Ordering Information

LE365	S	—	4	1

Output
Power supply
Size
Item

1	1 Relay outputs
4	100-240VAC 50/60Hz
S	DIN W48×H48mm
LE365	Weekly/Yearly timer

▣ Specifications

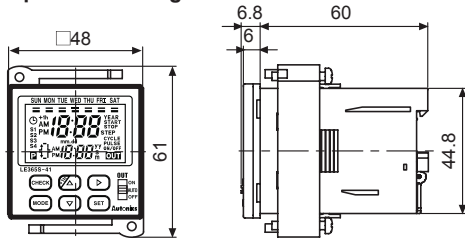| Model			LE365S-41
Power supply			100-240VAC 50/60Hz
Allowable voltage range			90 to 110% of rated voltage
Power consumption			Max. 2.4VA (100-240VAC 50/60Hz)
Timing program			48 steps for weekly, 24 steps for yearly
Operation mode			ON/OFF mode, cycle mode, pulse mode
Mounting			Panel flush, surface, DIN rail
Time deviation			±15sec/month (25℃) (±4sec/week)
Temperature error			±0.01% ±0.05sec.
Memory protection			Over 5 years (at 25℃)
Control Output	Contact type		SPST (Single Pole Single Throw)
	Contact capacity		250VAC 15A resistive load
	Output number		Independent 1 output (1a)
Relay life cycle	Mechanical		Min. 5,000,000 operations (Switching capacity 30 times/minute)
	Electrical		50,000 operations<Switching capacity 20 times/1 minute, at 250VAC 15A (resistive load)>
Insulation resistance			Min. 100MΩ (at 500VDC megger)
Dielectric strength			2000VAC 50/60Hz for 1minute
Noise strength			±2kV the square wave noise (pulse width: 1μs) by the noise simulator
Environment	Ambient temperature		-10 to 55℃, storage: -25 to 65℃
	Ambient humidity		35 to 85%RH, storage: 35 to 85%RH
Unit weight			Approx. 110g

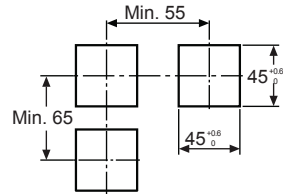※Environment resistance is rated at no freezing or condensation.

▣ Connections

1	2	3	4

CONTACT OUT:
250VAC 15A
RESISTIVE LOAD

SOURCE:
100-240VAC
50/60Hz

■ Dimensions & Mounting

(unit: mm)

1) Front panel mounting

□48

6.8 60

6

61

44.8

LE365S-41

● Panel cut-out

Min. 55

Min. 65

$45^{+0.6}_{0}$

$45^{+0.6}_{0}$

2) Surface mounting

16

4

61.5

42.7

Panel

● Panel hole cut-out

2-M3 Tap

59

※Fix the Weekly/Yearly timer on the panel with M3 tapping screws.
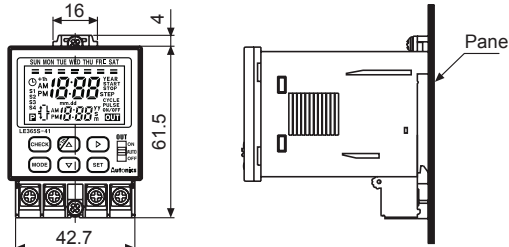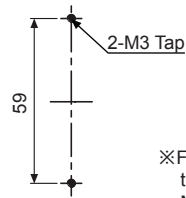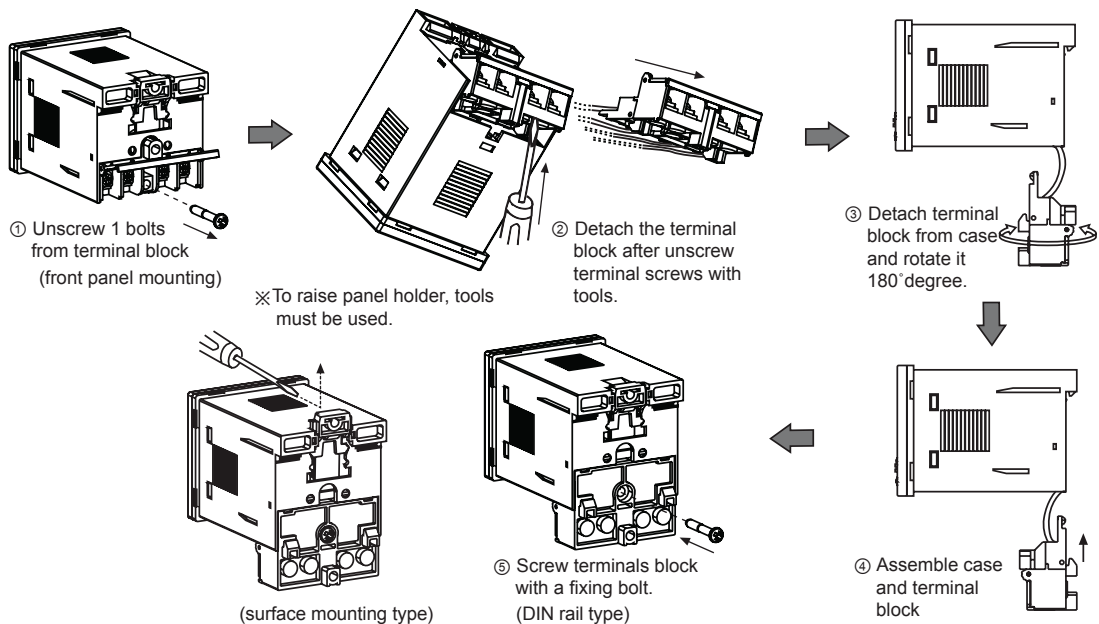
3) DIN rail mounting

□48

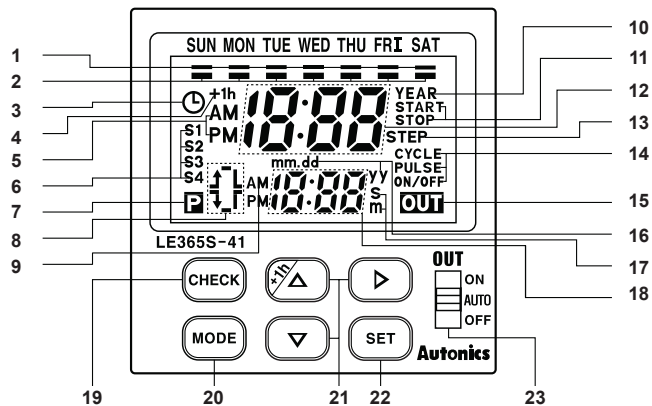66 3

61

35

43
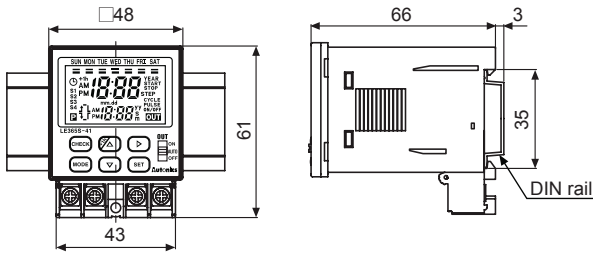
DIN rail

■ How To Switch From The Flush Mounting To Surface Or DIN Rail Mounting Type

Remove terminals from the body after unscrewing terminals screws, and then assemble terminals to the body after rotating terminals as shown below.

① Unscrew 1 bolts from terminal block
(front panel mounting)

※To raise panel holder, tools must be used.

② Detach the terminal block after unscrew terminal screws with tools.

③ Detach terminal block from case and rotate it 180˚degree.

⑤ Screw terminals block with a fixing bolt.

(surface mounting type)   (DIN rail type)

④ Assemble case and terminal block

Section	
(A)	Photoelectric Sensors
(B)	Fiber Optic Sensors
(C)	Door/Area Sensors
(D)	Proximity Sensors
(E)	Pressure Sensors
(F)	Rotary Encoders
(G)	Connectors/ Sockets
(H)	Temperature Controllers
(I)	SSRs / Power Controllers
(J)	Counters
(K)	Timers
(L)	Panel Meters
(M)	Tacho / Speed / Pulse Meters
(N)	Display Units
(O)	Sensor Controllers
(P)	Switching Mode Power Supplies
(Q)	Stepper Motors & Drivers & Controllers
(R)	Graphic/ Logic Panels
(S)	Field Network Devices
(T)	Software

LE365S-41

▣ Unit Description

1. Day indicator
2. Day display
● Light: Day is selected.
● Light-out: Day is not selected.
3. Current time setting mode indicator
4. DST display (Daylight saving time)
5. AM/PM display (Main display)
6. Season display
7. Program display
8. Display ON time/day, OFF time/day, ON time width, OFF time width
9. AM/PM display (Sub-display)
10. YEAR display
: It turns ON when set, check, modify, delete yearly program, set yearly holidays and operate yearly program.
11. Yearly START/STOP day display
12. Main display

13. Remaining step display
14. Operation mode display
15. Output mode display
16. Year, month, date display
17. Unit of pulse width display
18. Sub display
19. CHECK key
20. MODE key
21. Operation key
: Press +1h key over 3sec. in RUN mode, DST mode is set and released.
22. SET key
23. Output selection switch
● AUTO: Control output according to the set program.
● ON: Output is ON. (Operation)
● OFF: Output is OFF. (Block)

▣ Functions

◎ Definitions
● Record: A part of program that controls output operation.
● Step: Basic component of Record.

◎ Operation modes
● If the operation mode of Program 1 (program 2) is set on pulse mode initially, the pulse mode is fixed for additional programs. If the operation mode of Program 1 (program 2) is set on ON/OFF or cycle mode initially, pulse mode cannot be used for additional pulse programs.
● If the weekly operation mode is set on ON/OFF or cycle mode, the yearly operation mode is fixed on ON/OFF mode.
If the yearly operation mode is set on ON/OFF, the weekly operation mode is fixed on ON/OFF or cycle mode.
● If the weekly operation mode is set on pulse mode, the yearly operation mode is fixed on pulse mode. If the yearly operation mode is set on pulse mode, the weekly operation mode is fixed on pulse.
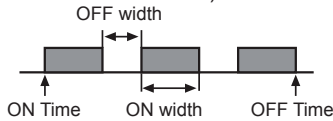
●Weekly ON/OFF mode
Output operation by ON/OFF set time.
• Min. time setting unit: 1 min.
• It is able to set ON/OFF day separately.
• One record in two steps
 (ON day/ON time, OFF day/OFF time)

ON Time   OFF Time

●Weekly Cycle operation
It outputs ON the set ON time width which is from Cycle operation ON time to Cycle operation OFF time, and it outputs OFF the set OFF time width.

• Set range for ON/OFF time width
 : 1min. to 12 hour 59min.
• One record in 3 steps (ON day/ON time, OFF day/OFF time, ON time width/OFF time width)
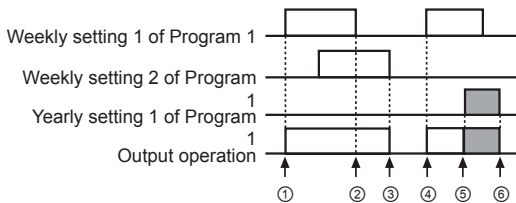
OFF width

ON Time   ON width   OFF Time

● Weekly pulse mode
Output turns ON at ON time for a specified pulse width.
(Pulse width: 1 to 59sec., 1 to 60min.)
• One record in two steps (ON day/ON time, pulse width)

Pulse width
(1 to 59sec., 1 to 60min.)
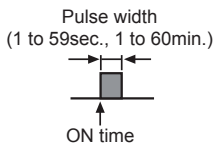
ON time

● Yearly ON/OFF mode
Output turns ON at ON time on START date and turns OFF at OFF time on STOP date.
• One Record in three Steps (START/STOP date, ON/OFF time)

● Yearly pulse mode
Output turns ON at ON time on START date and turns OFF at OFF time on STOP time for a specified pulse width repeatedly.
• One record in three steps (START/STOP date, ON time, Pulse width)

◎ Program operation

Weekly setting 1 of Program 1
Weekly setting 2 of Program 1
Yearly setting 1 of Program 1
Output operation

① ② ③ ④ ⑤ ⑥

● ① to ②: Operated by weekly setting 1 of Program 1.
● ② to ③: Operated by weekly setting 2 of Program 1.
● ④ to ⑤: Operated by weekly setting 1 of Program 1.
● ⑤ to ⑥: Operated by yearly setting 1 of Program 1.
(During weekly program operation at 12:00 AM on START date, the weekly program operation stops, and it changes to yearly program operation mode. The yearly program operation stops at 12:00 AM on the next day of STOP date.)

◎ Display and change of next mode
● The day of next mode in Program is displayed on the day indicator, and the time of next mode is displayed on the lower row of screen.
● In ON/OFF operation mode, set ON time and OFF time to next mode. In Pulse operation mode, set Pulse ON time to next mode.

◎ Power restore mode
In setting group 2 - LEVEL2 (rEt turns ON, At or nor flashes), select Auto[At] or Normal [nor] by ▲ or ▼ key and press SET key to set.
● Auto [At] power restore mode
Output operates according to program when power turns ON again after power failure.
●Normal[nor] power restore mode
When power turns ON again after power failure, output is kept OFF and rin flashes on the lower row of screen and power restore input (press SET key over 3 sec. in RUN mode) is applied, rin turns OFF and output operates according to program.

◎ Season switching mode
This feature uses for setting seasonal weekly operation mode. To operate this mode, save starting month and date, ending month and date of each season which displays S1, S2, S3, S4 then set day and time of each season in weekly program setting. It is also able to operate only in summer and winter season. (S1: set summer season, S2: set winter season, S3/S4: do not set)
In setting group 2-Level 2 (SEn turns ON, oFF flashes.), select ON[on] by ▲ or ▼ key and press SET key to save.
When the season switching mode changed from oFF to on or vice versa, previous set programs are deleted.
● ON[on] mode
Weekly program is switched automatically by season switching.
• Period setting per season
① Press SET key in period setting per season mode of setting group 2. (SEn flashes, season with preset period turns ON and **START** and **STOP** turn ON.)
② Advance to the flashing position of season selection among S1, S2, S3, S4 by ▲ or ▼ key and press SET key.
③ After set **START** month, date per season and press SET key.
④ SET key is pressed after set **STOP** month, date per season, it is advanced to LEVEL1 of period setting per season. Add or adjust the period setting by SET key.
● It is disable to use when it is OFF [oFF].
● If season terms are overlapped, these are prioritized in S4>S3>S2>S1 order.

(A) Photoelectric Sensors
(B) Fiber Optic Sensors
(C) Door/Area Sensors
(D) Proximity Sensors
(E) Pressure Sensors
(F) Rotary Encoders
(G) Connectors/ Sockets
(H) Temperature Controllers
(I) SSRs / Power Controllers
(J) Counters
(K) Timers
(L) Panel Meters
(M) Tacho / Speed / Pulse Meters
(N) Display Units
(O) Sensor Controllers
(P) Switching Mode Power Supplies
(Q) Stepper Motors & Drivers & Controllers
(R) Graphic/ Logic Panels
(S) Field Network Devices
(T) Software

LE365S-41

◎ **Daylight saving time**

To utilize daylight during the summer season, daylight saving time is adjusted forward one hour from standard time.

In setting group 2-LEVEL 2 (d5t turns ON, At or nor flashes), select Auto [At] or Normal [nor] by ▲ or ▼ key and press SET key to set.

● Auto [At] daylight saving time mode

Current time will be faster as an hour when it is started and slower as an hour when it is finished.

• Automatic daylight saving time period setting

① Automatic daylight saving time period setting LEVEL 1 of setting group 2.
   (Press SET key when d5t flashes and **START** and **STOP** turn ON.)
② Set START date (month, date) of automatic daylight saving time mode and press SET key.
③ Set START time (AM/PM, hour) of automatic daylight saving time mode and press SET key. But, the minute will be fixed as 00.
④ Set STOP date (Month, date) of automatic daylight saving time mode and press SET key.
⑤ Set STOP time (AM/PM, hour) of automatic daylight saving time mode and press SET key. But, the minute will be fixed as 00.

● Normal [nor] daylight saving time mode

Press +1h key over 3sec. in RUN mode, "+1h" turns ON and current time is faster as an hour and "+1h" turns ON out or vice versa, when press +1h key over 3sec. again.

◎ **Current time setting**

(E.g.) Set the current time as 10, Mar, 2008, 5:10 PM.

① **Advance to the current time setting mode**

SUN MON TUE WED THU FRI SAT

t.Au

MODE + SET keys are pressed over 3sec. in RUN mode, it is advanced to current time setting of setting group 2 and clock will be flashed and t.Au will be lighted in second display part, press SET key.

② **Year, Month, Date setting**

SUN MON TUE WED THU FRI SAT

3. 10
mm.dd
08 yy

Press ▲ or ▼ key to set 08 (year 2008) and move the flashing digit to position month by ▶ key. Press SET key after pressing ▲ or ▼ key to set date 10.

③ **Current time (AM, PM) setting**

SUN MON TUE WED THU FRI SAT

PM 12:00

Press ▲ or ▼ key to select PM and move the flashing digit to position hour by ▶ key.

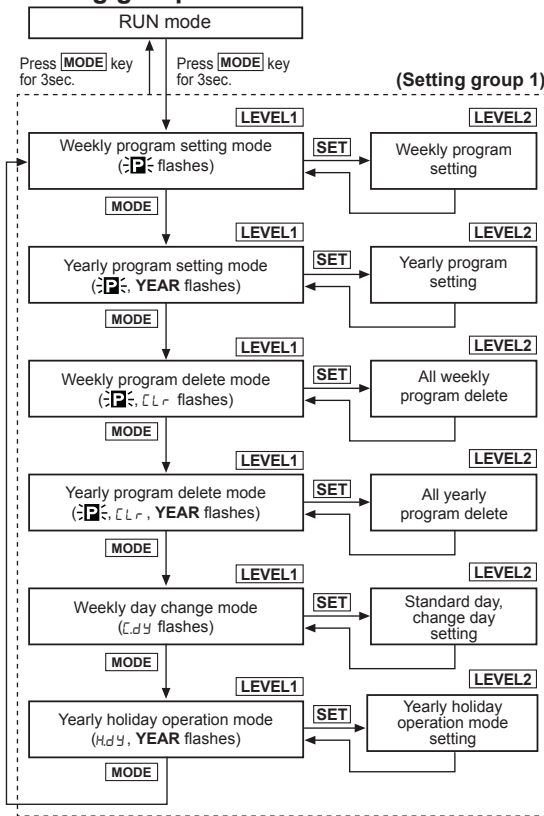④ **Current time (hour, min.) setting**

SUN MON TUE WED THU FRI SAT

PM 5: 10

Press ▲ or ▼ key to set 5 PM and move the flashing digit to position min. by ▶ key. Press ▲ or ▼ key to set 10min. and press SET key and it is returned to RUN mode when pressing MODE key over 3sec.

● It advances to to "①Current time setting mode" in ON status and set current time as shown above ② to ④ by SET key.
● Current time is set up to 31, Dec., 2099.
● Check current year/month/date in RUN mode When ▶ key is pressed over 3sec. in RUN mode, it advances to current year/month/date display. After display current year/month/date for 3sec, it returns to RUN mode displaying current display.
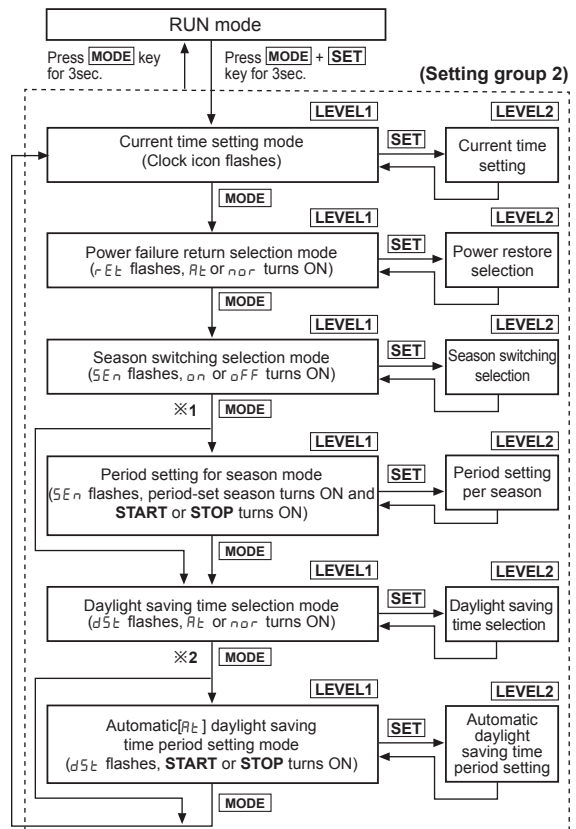
Autonics

▣ Program Setting

◎ Setting group 1

RUN mode

Press **MODE** key for 3sec. ← → Press **MODE** key for 3sec. **(Setting group 1)**

	LEVEL1			LEVEL2
Weekly program setting mode (⊡P⊡ flashes)		**SET**	↔	Weekly program setting

MODE

	LEVEL1			LEVEL2
Yearly program setting mode (⊡P⊡, **YEAR** flashes)		**SET**	↔	Yearly program setting

MODE

	LEVEL1			LEVEL2
Weekly program delete mode (⊡P⊡, ⌐Lr flashes)		**SET**	↔	All weekly program delete

MODE

	LEVEL1			LEVEL2
Yearly program delete mode (⊡P⊡, ⌐Lr, **YEAR** flashes)		**SET**	↔	All yearly program delete

MODE

	LEVEL1			LEVEL2
Weekly day change mode (⌐.dɥ flashes)		**SET**	↔	Standard day, change day setting

MODE

	LEVEL1			LEVEL2
Yearly holiday operation mode (Hdɥ, **YEAR** flashes)		**SET**	↔	Yearly holiday operation mode setting

MODE

- When it is advanced to setting group 1 in RUN mode, output will be OFF.
- It is returned to previous setting group 1 when power of time switch is ON again in setting group 1.
- When **MODE** key is pressed in LEVEL2 of setting group 1, current setting will be canceled and it is returned to previous LEVEL1.
- When press **SET** key to program over max. number of steps for weekly program in Weekly program setting mode of setting group 1-LEVEL 1, number of remaining steps and **STEP** flash and it returns to LEVEL 1 status.
- When press **SET** key to program over max. number of steps for yearly program in Yearly program setting mode of setting group 1-LEVEL 1, number of remaining steps and **STEP** flash it returns to LEVEL 1 status.

◎ Setting group 2

RUN mode

Press **MODE** key for 3sec. ← → Press **MODE** + **SET** key for 3sec. **(Setting group 2)**

	LEVEL1			LEVEL2
Current time setting mode (Clock icon flashes)		**SET**	↔	Current time setting

MODE

	LEVEL1			LEVEL2
Power failure return selection mode (⌐Et flashes, At or nor turns ON)		**SET**	↔	Power restore selection

MODE

	LEVEL1			LEVEL2
Season switching selection mode (SEn flashes, on or oFF turns ON)		**SET**	↔	Season switching selection

※1 **MODE**

	LEVEL1			LEVEL2
Period setting for season mode (SEn flashes, period-set season turns ON and **START** or **STOP** turns ON)		**SET**	→	Period setting per season

MODE

	LEVEL1			LEVEL2
Daylight saving time selection mode (dSt flashes, At or nor turns ON)		**SET**	↔	Daylight saving time selection

※2 **MODE**

	LEVEL1			LEVEL2
Automatic[At] daylight saving time period setting mode (dSt flashes, **START** or **STOP** turns ON)		**SET**	→	Automatic daylight saving time period setting

MODE

※**1:** Season switching selection is oFF.
※**2:** Automatic switching selection of Daylight Saving Time is Normal[nor].
- When it advances to setting group 2 in RUN mode, output (OUT1, OUT2) will be OFF.
- When power of time switch is ON again in setting group 2, it is returned to previous setting group 1.
- Front **MODE** key is pressed in LEVEL2 of setting group 2, it is returned to previous LEVEL1.
- When season switching selection is changed from oFF to on or on to oFF, previous set weekly program will be deleted.

◎ Example of Weekly program setting

● Weekly ON/OFF mode

(E.g.) Output 1 (OUT1) is ON from Monday to Friday at 8:00 AM and OFF at 6:10 PM.

SUN	MON	TUE	WED	THU	FRI	SAT
	�	▤	▤	▤	▤	

8:00 6:10 8:00 6:10 8:00 6:10 8:00 6:10 8:00 6:10
AM PM AM PM AM PM AM PM AM PM

① Advance to weekly program setting mode

MODE key is pressed over 3sec in RUN mode **P** flashes and press SET key.

② Mode type setting

Press SET key in ON/OFF mode.

③ ON day setting
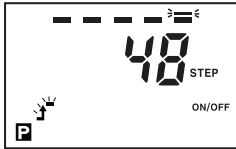
Press ▶ key to move the indicator to Monday, it will be lighted when ▲ or ▼ key are pressed and move it to Tuesday by ▶ key.
Press SET key after Tuesday, Wednesday, Thursday, Friday turn ON.

④ ON time setting (AM, PM)
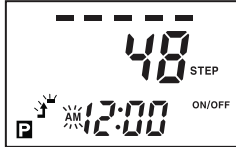
▶ key is pressed, move the flashing to hour position and select PM by ▲ or ▼ key when ON time is afternoon.

⑤ ON time setting (Hour, Min.)

Set 8:00 by ▲ or ▼ key and press SET key.

⑥ OFF day setting
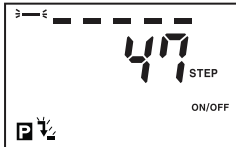
Press SET key to check ON/OFF day.

⑦ OFF time setting (AM, PM)

Select PM by ▲ or ▼ key and move the flashing to hour position by ▶ key.

⑧ OFF time setting (Hour, Min.)

Move the flashing to minute position by ▶ key after set 6:00 by ▲ or ▼ key and set the minute as 10 by ▲ or ▼ key and press SET key.

⑨ Complete to set
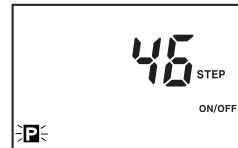
Press SET key to set additional program.

● Weekly Pulse mode

(E.g.) Output 2 (OUT2) is ON for 10sec at 8:00AM from Monday to Friday during S2 season in case, period of S1, S2, S3, S4 is set.
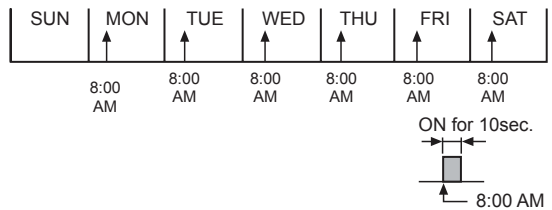
SUN	MON	TUE	WED	THU	FRI	SAT
8:00 AM	8:00 AM	8:00 AM	8:00 AM	8:00 AM	8:00 AM	8:00 AM

ON for 10sec.

8:00 AM

① Advance to weekly program setting mode

MODE key is pressed for 3sec. in RUN mode, **P** flashes and press SET key.

② Mode type setting
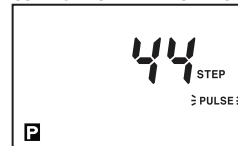
Press ▲ or ▼ key when ON/OFF flashes, pulse flashes and press SET key.

③ Season selection

Press ▲ or ▼ key to select season S2 and press SET key.

④ ON day setting

SUN MON TUE WED THU FRI SAT
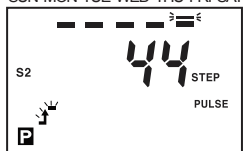
Press ▶ key to move the indicator to Monday, it will be lighted when ▲ or ▼ key is pressed and move it to tuesday by ▶ key. Press SET key after light tuesday, wednesday, thursday and friday.
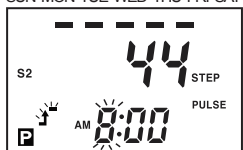
⑤ ON time setting (AM, PM)

SUN MON TUE WED THU FRI SAT

Press ▶ key, move the flashing to hour position and select PM by ▲ or ▼ key when ON time is afternoon.
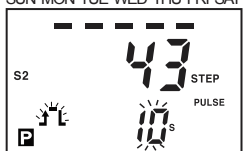
⑥ ON time setting (Hour, Min.)

SUN MON TUE WED THU FRI SAT

Set 8:00 by ▲ or ▼ key and press SET key.

⑦ Pulse width setting

SUN MON TUE WED THU FRI SAT

Press ▲ or ▼ key to select pulse width as 10s (10sec.) and press SET key.

⑧ Complete to set

SUN MON TUE WED THU FRI SAT
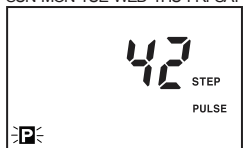
Press SET key to set additional program.

● Weekly Cycle mode

(E.g.) Output 1 (OUT1) is ON for 10min and OFF for 5min from Monday 6:00AM to Saturday 5:30PM.

SUN	MON	TUE	WED	THU	FRI	SAT

6:00 AM
Start Cycle mode

5:30 PM

ON for 10min.

OFF for 5min.
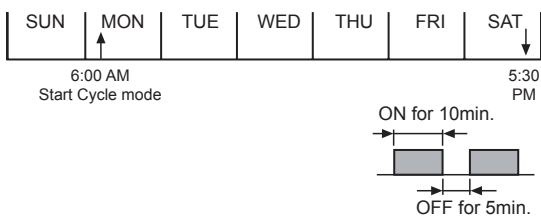
① Advance to weekly program setting mode

SUN MON TUE WED THU FRI SAT
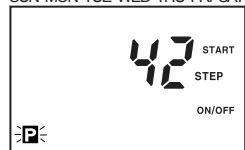
In RUN mode, press MODE key for 3 sec. and P flashes. Press SET key.

② Mode type setting

SUN MON TUE WED THU FRI SAT

Press ▲ or ▼ key when ON/OFF flashes, cycle flashes and press SET key.

③ to ⑧

Refer to ③ to ⑧ of "Weekly ON/OFF mode" to set ON day, ON time, OFF day and OFF time.

⑨ ON time width setting

SUN MON TUE WED THU FRI SAT

Press ▶ key to move the flashing to minute position and set as 10min. by ▲ or ▼ key and press SET key.
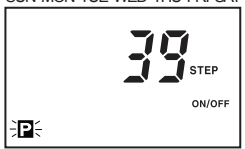
⑩ OFF time width setting

SUN MON TUE WED THU FRI SAT

Press ▶ key to move the flashing to minute position and set as 5min. by ▲ or ▼ key and press SET key.

⑪ Complete to set

SUN MON TUE WED THU FRI SAT

Press SET key to set additional program.

◎ Weekly day change

When the specified day mode is required to install in other day, it is started from the set day and returned to previous program setting automatically when it is finished.

● **Weekly day change cancellation**

① Change current year, month, date in current time setting mode

② Change standard day

③ Delete all program in program

④ Season switching

● **Setting example**

Output is ON in saturday at 9:00AM and OFF at 12:00PM and it is ON 8:30AM and OFF at 6:00PM from monday to friday and the mode of monday and Tuesday is operated temporarily as saturday (standard) program.

① Advance to weekly day change mode

SUN MON TUE WED THU FRI SAT

Press MODE key over 3sec. to move to the setting group1 in RUN mode and press it repeatedly until *C.d4* flashes in second display part and press SET key.

② Standard day selection

SUN MON TUE WED THU FRI SAT

Press ▶ key to move the indicator to saturday and press SET key. after select saturday as standard day (Sat turns ON) by ▲ or ▼ key.

③ Change day selection

SUN MON TUE WED THU FRI SAT
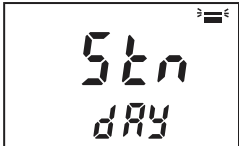
Press ▶ key to move the indicator to monday and select monday to change (Monday turns ON) by ▲ or ▼ key and repeat the procedure to select tuesday to change (Tue turns ON) and press SET key to complete.

◎ Yearly holiday mode

It operates to off the output without program adjustment during previously set yearly holiday period available from present year to 31, Dec. of the next year.
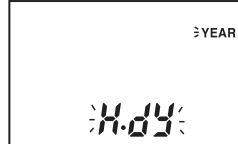
Designate the start date of yearly holiday and year of end date as every year [- -] to repeat the holiday mode for specified in every year.

● Setting example

Set every year 5, May to off the output.

① Advance to yearly holiday mode

SUN MON TUE WED THU FRI SAT

Press MODE key over 3sec. to move to the setting group1 in RUN mode and press it repeatedly until *H.d4* flashes in second display part and press SET key.

② Yearly holiday number display

SUN MON TUE WED THU FRI SAT

Press SET key after check yearly holiday number.
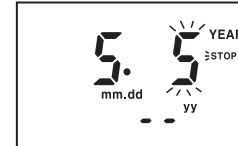
③ Start date of yearly holiday setting

SUN MON TUE WED THU FRI SAT

Press ▶ key until month[- -] position flashes and set May by ▲ or ▼ key and press ▶ key until date position flashes. Press SET key after set 5th by ▲ or ▼ key.

④ End date of yearly holiday setting

SUN MON TUE WED THU FRI SAT

The flashing is moved to month[- -] position directly and press ▲ or ▼ key to set May and press ▶ key until date position flashes. Press SET key after set 5th by ▲ or ▼ key.

⑤ Complete to yearly holiday

SUN MON TUE WED THU FRI SAT

Press MODE key to finish the additional yearly holiday setting and press SET key to set .

※It is able to set yearly holiday up to 12 times.

◎ Yearly program setting

● Yearly ON/OFF mode
(E.g.) Output (OUT) is ON from every 5, Apr to 7, Apr at 9:00AM and OFF 5:10PM.

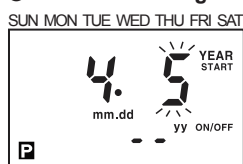### ① Advance to Program 1 (P1) yearly program setting mode

SUN MON TUE WED THU FRI SAT

Press MODE key for 3 sec. in RUN mode, P flashes and press MODE key once, then, P and YEAR flash and press SET key to set.

② Mode type setting

SUN MON TUE WED THU FRI SAT
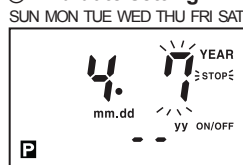
Press SET key when ON/OFF flashes.

③ Start date setting

SUN MON TUE WED THU FRI SAT

Press ▶ key until month position flashes and set Apr by ▲ or ▼ key and press ▶ key until date position flashes. Press SET key after set 5th by ▲ or ▼ key.

④ End date setting

SUN MON TUE WED THU FRI SAT

The flashing is moved to month position directly and press ▲ or ▼ key to set April and press ▶ key until date position flashes. Press SET key after set 7th by ▲ or ▼ key.

⑤ ON time setting (AM, PM)

SUN MON TUE WED THU FRI SAT

▶ key is pressed, move the flashing to hour position and select PM by ▲ or ▼ key when ON time is afternoon.
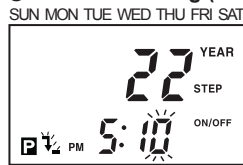
⑥ ON time setting (Hour, Min.)

SUN MON TUE WED THU FRI SAT

Press ▲ or ▼ key to set 9 and press SET key after check 00min.

⑦ OFF time setting (AM, PM)

SUN MON TUE WED THU FRI SAT

Select PM by ▲ or ▼ key and move the flashing to hour position by ▶ key.

⑧ OFF time setting (Hour, Min.)

SUN MON TUE WED THU FRI SAT

Move the flashing to minute position after set 5:00 by ▲ or ▼ key and set the minute as 10 and press SET key.

⑨ Complete to set

SUN MON TUE WED THU FRI SAT
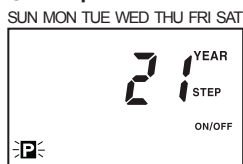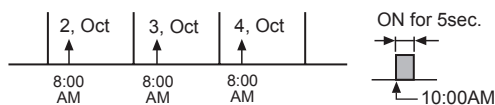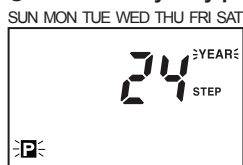
Press SET key to set additional program.

● Yearly pulse mode
(E.g.) Output (OUT) is ON from 2, Oct., 2008 to 4,Oct, 2008 at 10:00AM and OFF after 5sec. (Present is 2007.)
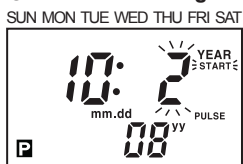

① Advance to yearly program setting mode

SUN MON TUE WED THU FRI SAT

MODE key is pressed for 3sec in RUN mode, P flashes and press MODE key again, P flashes and press SET key.
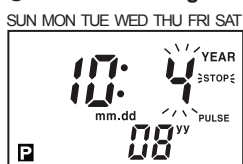
② Mode type setting

SUN MON TUE WED THU FRI SAT

▲ or ▼ key is pressed when ON/OFF flashes to set pulse mode and press SET key.

③ Start date setting

SUN MON TUE WED THU FRI SAT

Press ▲ or ▼ key twice to set 08 (year 2008) and move to month position by ▶ key. Set Oct. by ▲ or ▼ key and move to date position by ▶ key and press SET key after set 2nd by ▲ or ▼ key.

④ End date setting

SUN MON TUE WED THU FRI SAT

The flashing is moved to month position directly by ▶ key and set 4th by ▲ or ▼ key after move it to date position by ▶ key, then press SET key.

⑤ ON time setting (AM, PM)

SUN MON TUE WED THU FRI SAT

YEAR
STEP
PULSE

P ＡＭ 12:00

▶ key is pressed, move the flashing to hour position and select PM by ▲ or ▼ key when ON time is afternoon.
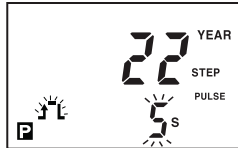
⑥ ON time setting (Hour, Min.)

SUN MON TUE WED THU FRI SAT

YEAR
STEP
PULSE

P ＡＭ 10:00

Press ▲ or ▼ key twice to set 10 and press SET key after check 00min.

⑦ Pulse width setting

SUN MON TUE WED THU FRI SAT

YEAR
STEP
PULSE
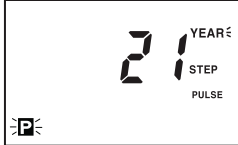
P 5 S

Press ▲ or ▼ key 4 times to select pulse width as 5s and press SET key.

⑧ Complete to set

SUN MON TUE WED THU FRI SAT

21 YEAR
STEP
PULSE

P

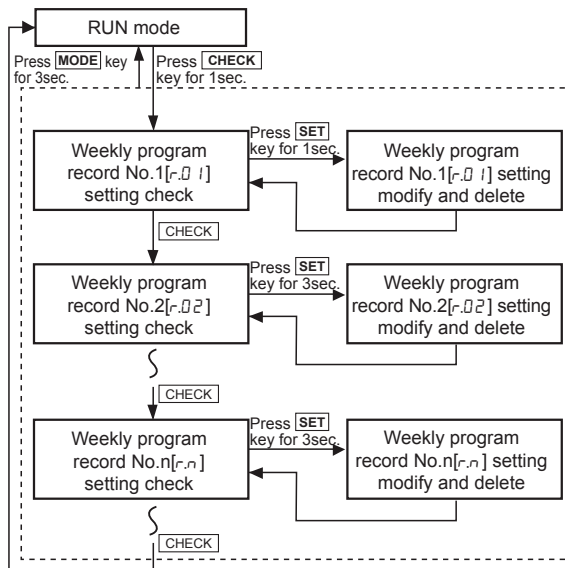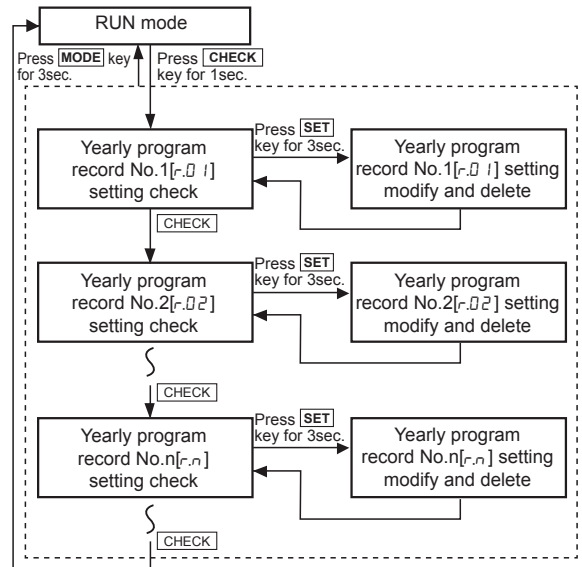Press SET key to set additional program.

※It is able to set year of start/end date in yearly program setting up to 2 years later from the present year.

■ Program Check, Modify And Delete

◎ Weekly program check, modify and delete

```
          RUN mode
Press MODE key    Press CHECK
for 3sec.         key for 1sec.
```

Weekly program record No.1[r.0 1] setting check
→ Press SET key for 1sec. → Weekly program record No.1[r.0 1] setting modify and delete

CHECK

Weekly program record No.2[r.02] setting check
→ Press SET key for 3sec. → Weekly program record No.2[r.02] setting modify and delete

CHECK

Weekly program record No.n[r.n] setting check
→ Press SET key for 3sec. → Weekly program record No.n[r.n] setting modify and delete

CHECK

◎ Yearly program check, modify and delete

```
          RUN mode
Press MODE key    Press CHECK
for 3sec.         key for 1sec.
```

Yearly program record No.1[r.0 1] setting check
→ Press SET key for 3sec. → Yearly program record No.1[r.0 1] setting modify and delete

CHECK

Yearly program record No.2[r.02] setting check
→ Press SET key for 3sec. → Yearly program record No.2[r.02] setting modify and delete

CHECK

Yearly program record No.n[r.n] setting check
→ Press SET key for 3sec. → Yearly program record No.n[r.n] setting modify and delete

CHECK

※**YEAR** turns ON when check, modify or delete yearly program.

- If any key is untouched for 60sec., it is returned to RUN mode in weekly or yearly program check.
- In weekly or yearly program check, it controls output according to program setting and output is OFF in modify or delete mode.
- When MODE key is pressed in weekly or yearly program record modify, delete stand by or delete mode, current work is cancelled and it is returned to check mode.
- Weekly or yearly program record modify and delete
(1) Program record modify
① When press SET key over 3sec. in program check, Edt flashes in second display part, press SET key.
② It returns to check mode when finish the modify same as the above procedure.
(2) Program record delete
① When press SET key over 3sec. in program check, Edt flashes in second display part, press ▲ or ▼ key until CLr flashes in second display part and press SET key.
② Press CLr key over 3sec. when SET turns ON in second display part, it returns to program check.