

# OR-PRE-409 Instructional Manual

(ENG) IMPORTANT!

Before using the device, read this Service Manual and keep it for future use. Any repair or modification carried out by yourselves results in loss of guarantee. The manufacturer is not responsible for any damage that can result from improper device installation or operation.

In view of the fact that the technical data are subject to continuous modifications, the manufacturer reserves a right to make changes to the product characteristics and to introduce different constructional solutions without deterioration of the product parameters or functional quality.

The latest version of the Manual can be downloaded from [www.orno.pl](http://www.orno.pl). Any translation/interpretation rights and copyright are reserved in relation to this Manual.

Do not use the device against its intended use.

Do not dip the device in water or another fluids.

Do not operate the device when its housing is damaged.

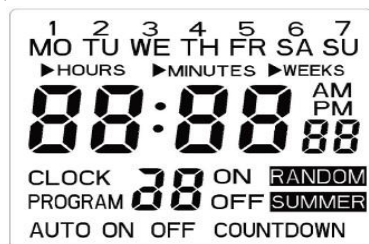
Do not repair the device by yourselves.

## ● Function Description:

This item timer can turn on/off electric appliances as you set, save your power bill and make your life more convenient. It is widely used in air conditioner, water heater, electric rice cooker, water dispenser, mobile phone and so on.

## ● Operation:

Open the package, and connect the electric appliance with timer, then plug timer into power supply. The LCD will show the following whole content, and last about 3 seconds.



### 1. Clock setting:

- 1). Press "CLOCK" button more than 3 seconds, and it will enter into clock setting mode. Press "SET" button, the triangle before "HOURS" will blink, then press "UP" button to set the hours.
- 2). After finishing "HOURS" setting, pls press "SET" button again, the triangle before "MINUTES" will blink, then press "UP" button to set the minutes.
- 3). After finishing "MINUTES" setting, press "SET" button once more, the triangle before "WEEKS" will blink, then press "UP" button to set the week.
- 4). After finishing above all operation, pls press "OK" button to enter into clock mode.
- 5). Press "CLOCK"+"SET" buttons, you can set SUMMER TIME or WINTER TIME
- 6). Press "CLOCK"+"PROG" buttons, you can set 24 Hours Time or 12 Hours Time.

### 2. Timer program setting:

- 1). Press "PROG" button, it will enter into timer program setting mode, you can set 16 groups ON and OFF timer program.
- 2). Press "SET" button for setting 1<sup>st</sup> program ON time, the triangle before "HOURS" will blink, then press "UP" button to set the hours.
- 3). After finishing "HOURS" setting, pls press "SET" button again, the triangle before "MINUTES" will blink, then press "UP" button to set the minutes.
- 4). After finishing "MINUTES" setting, press "SET" button once more, the triangle before "WEEKS" will blink, then press "UP" button to set the week, it will take turns to show :MO→TU→WE→TH→FR→SA→SU→MO TU WE TH FR→SA SU→MO TU WE TH FR SA→MO WE FR→TU TH SA→MO TU WE→TH FR SA→MO TU WE TH FR SA SU. Choose the date you want.

5).After finishing above all operation,pls press “PROG” button to enter into 1<sup>st</sup> program OFF time setting.If you wanna set next group program ON and OFF time,pls continue to press “PROG”button,and do as above operation.

6).After finishing all timer program setting,pls press “OK”button to enter into clock mode.If you wanna timer will be turned on some times later,pls preee “SET” button to change “OFF” mode into “AUTO” mode;if you wanna timer will be turned off some times later,pls preee “SET” button to change “ON” mode into “AUTO” mode.

7).If you want to cancel set timer program,pls press “PROG” button to selecte that one,and then press “CLEAR” button for canceling.

### 3. Random function:

1).Random function is only activated from PM6:00 to AM6:00,If you wana start this function,except choosing the AUTO mode,you should set a timer program,and the timer program should be within the range(PM6:00 to AM6:00).

**For example:**you set a timer program:PM7:00 ON,PM8:00 OFF,and choose RANDOM function,then timer will turn on once at PM6:30~PM7:00,and turn off once at PM7:30~PM8:00.It means, timer turned on before programmed time starts and turned off before programmed time ends.

2).After finishing above operation,pls press “SET” and “UP” button at the same time,Random function will be activated.

3).More timer program you set,and more times RANDOM function will be activated(between PM6:00 to AM6:00),but the most is 12 groups.

4).If you want to cancel Random function, pls press “SET” and “UP” button at the same time,then the letters “RANDOM” on LCD will disappear.

### 4.Countdown time function:

1).Countdown time function only works in “ON” or “OFF” mode,and random function should be turned off.

2).After finishing above operation,pls press “UP” and “PROG” button at the same time,and it will enter into countdown time setting mode.

3).Press “SET” button,the triangle before “HOURS” will blink,then press “UP” button to set the hours (0-99).

4).After finishing “HOURS” setting, pls press “SET” button again,the triangle before “MINUTES” will blink,then press “UP” button to set the minutes(0-59).

5).After finishing above all operation,pls press “OK” button to enter into countdown time mode.

6).If you want to cancel countdown time function, pls press “UP” and “PROG’ at the same time,the letters“COUNTDOWN” on LCD will disappear,and then it will return to clock mode.

### 5.Remark:

If there is an abnormal display appears or the buttons have no response,pls press “RESET”button for recovering.

#### ● Technical Parameters:

Voltage:230V~50HZ

Max load current:16A

Max load power:3680W

Working temperature: 0-50°C

Timer range:1minute-168hours (7days)

Timer error: ≤1 minute/month

#### ● Working condition:

Working Voltage: 175Vac~276Vac

Voltage Frequency : 45-65HZ

Working Current: ≤16A

Working Temperature:0-50°C

#### ● Exception Analysis:

1.Please check whether timer and power supply is in good connection.

2.Please check whether timer and electric appliance is in good connection.

3.Please check whether timer is in correct working mode.

#### ● warning:

1. Only to be used indoor.

2. Only to be used in dry conditions.

3. Only to be used within max load.