

**NOTE**

- When controller is plugged into a 110V outlet, green backlight will light at press of any button.
- When controller is powered by battery only, backlight will not light to conserve battery

**FEATURES**

- Ideal for extra security and energy saving
- 20 Program with Timer Function
- Countdown(CD)
- 3 RANDOM mode
- 12/24 hour Clock
- DST (Day Saving Time)
- Max. load 15A, 1800W.
- Controller is intended for indoor use in dry areas.

**SPECIFICATIONS**

Power supply: 3V (2pcs\* LR44 1.5V)  
 Product dimension: 124x82x42mm  
 Net weight: 121g  
 Programs: 20 Programs/Random/CD  
 Max.Rating: 120V/15A/1800W (US)

**DANGER!!! PLEASE DON'T EXCEED MAX RATING**

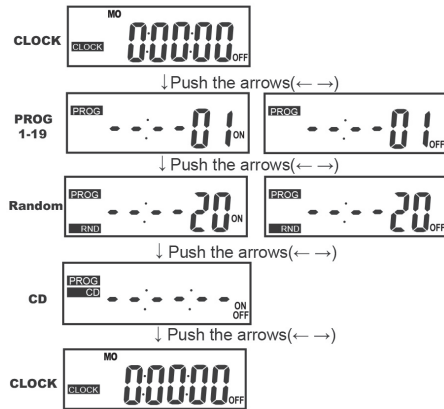
**BATTERIES**

Remove battery cover on back. (Open carefully at depressions).  
 Insert two button cell batteries, between contacts according to markings.  
 Replace cover.

**MODE SEQUENCE**

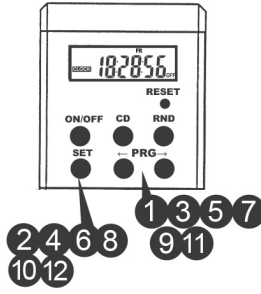
Push arrows(← →), it will cycle switch below programs:

**CLOCK** → Program 1~19 → Program 20 Random → **CD** → **CLOCK**

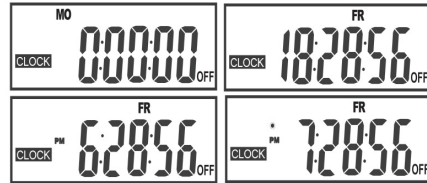


**SETTING THE CLOCK**

- Go to Clock, using arrows (← →).
- Push SET.
- Set day using arrows (← →) (Mo,Tu, We, Th, Fr, Sa, Su)
- Push SET.
- Set hour using arrows (← →).
- Push SET.
- Sets minutes using arrows (← →).
- Push SET.
- Set seconds using arrows (← →).
- Push SET.
- Select 12/24hrs using arrows (← →). AM/PM will display.
- Push SET to exit CLOCK setting, or no operation for 30 seconds automatically exit.

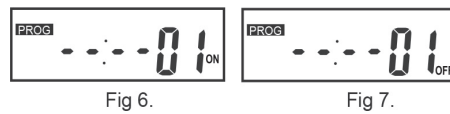


- For example, setting clock at 18:28:56 at Friday, see Fig 1.
- During clock setting, if you choose 24HR time change to 6:28:56 PM, see Fig. 2.
- Push both arrows (← →) at the same time for 3s in CLOCK mode to change time, see Fig. 3. Hour setting will advance an hour and sun symbol appears on display. Push both arrows (← →) at the same time for 3s in CLOCK mode to return to normal time.



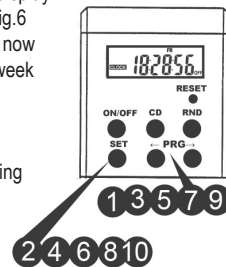
**PROGRAMMING TIMER**

Program up to 19 ON/OFF operations.  
**Setting PROG 1 ON and PROG 1 OFF:**



- Push arrows (← →) until display shows PROG 1 ON, see Fig.6
- Push SET. The display will now show SET and day of the week will flash.
- Set weekday using arrows (← →) there are following selection, which the switching program is activated:

MO = Monday, TU = Tuesday,  
 WE = Wednesday, TH = Thursday, FR = Friday,  
 SA = Saturday, SU = Sunday



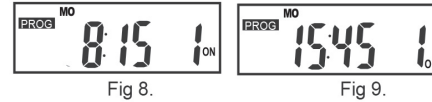
- MO, TU, WE, TH, FR (Monday to Friday).  
 MO, TU, WE, TH, FR, SA (Monday to Saturday) SA + SU (Saturday and Sunday).  
 MO, TU, WE, TH, FR, SA, SU (Monday to Saturday).
- Push SET when MO appears on display.
  - Hours will flash. Adjust hour using arrows (← →) until you get hour "8".
  - Push SET.
  - Minutes will flash. Adjust to "15" using arrows (← →).
  - Push SET to exit setup of PROGRAM 1 ON.
  - Push arrows (← →) until display shows PROG 1 OFF, see Fig.7
  - Set day and time the same way.

- If you want to program several programs, push arrows (← →) until display shows PROG 2 ON. Set the desired number of programs in the same way.
- If no button is pushed for 30 seconds, controller will return to clock display mode.

**EXAMPLE:**

A program set to turb on at 08:15 Monday and turn off at 15:45 on Monday:

**MO 8:15 ON / MO 15:45 OFF**, see Fig.8 and Fig.9.



**NOTE**

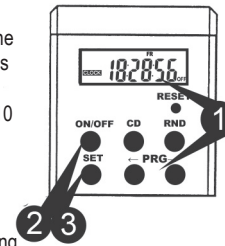
For controller to turn on one day and turn off another day, use 2 programs. In this example controller will turn on at 20.00 hrs Monday and turn off at 06.00 hrs Tuesday.

If you want to program controller to turn on at 20.00 hrs on Monday you can e.g. use PROG 1 ON and set time and date. Then advance to PROG 2 OFF without setting any times for 1 OFF and 2 ON.

In program 2 OFF setup mode you should enter Tuesday 06.00.

**TO DEACTIVATE A PROGRAM**

- Choose desired program using arrows (← →).
- Push SET, then Press ON/OFF to deactivate the chosen program. X cross shows that the program is deactivated. see Fig.10
- Push ON/OFF again to reactivate the selected program, X cross disappear, press SET back to program switching mode, or press SET for 2 seconds,back to CLOCK interface.



**TO DEACTIVATE ALL PROGRAMS**

- Advance to CLOCK using the arrows (← →).
- Push SET at first, then Press ON/OFF to deactivate all

the programs. X cross indicates that all programs are deactivated, see Fig.11.

- Push ON/OFF again to reactivate all programs, X cross disappear. Press SET for 2 seconds back to CLOCK interface.



Fig.11

**COUNTDOWN TIMER**

This countdown timer starts in either ON or OFF mode and counts down when activated. In ON mode the controller emits 110 V. In OFF mode controller does not emit any voltage.

The maximum countdown time is 23 hours, 59 minutes and 59 seconds.

**SETTING COUNTDOWN TIMER**

- Choose PROG CD using left arrow (←).
- Push SET
- Choose ON or OFF using the arrows (← →).



**ON:** The timer turns on when the countdown starts and turns off when the countdown runs down.

**OFF:** The timer turns off when the countdown starts and turns on when the countdown runs down.

- Push SET.
- Set hour using arrows (← →).
- Push SET.
- Set minutes using arrows (← →).
- Push SET.
- Set seconds using arrows (← →).
- Push SET, automatically exit CD setting or exit after no operation for 30 seconds.

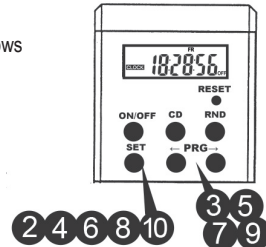


Fig.12

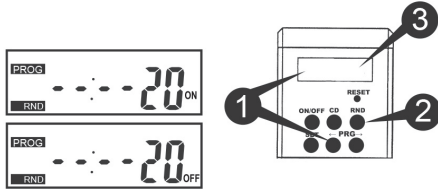
In clock mode, press CD button to activate Countdown programs.

Stop countdown by pushing CD, back to clock interface. For example, the countdown time was set to 10 minutes ON see Fig 12.

**RANDOM FUNCTION**

Use the random function to turn electrical devices on and off at different random times, for example for security reasons, during the weekend, use this random function to control equipment, it will randomly turn on lighting for sometime and then randomly turn off.

## PROGRAMMABLE RANDOM FUNCTION



1. Choose PROG 20 ON using arrows (← →).
2. Push SET, to set the time range as Programming timer in page 8.
3. In the same way, to SET PROG 20 OFF.



Fig.13



Fig.14

- The programmable random function is only possible on programm 20.
- When the random function is activated, all other preset programs are deactivated.
- To start Short random, push the RND button RND symbol blinks, see Fig.13
- To start Long Random, push RND button again L-RND symbol blinks, see Fig.14
- To start Program random, push the RND again PROG and RND symbol blinks
- Push the RND again, cancel random function.

No.	Symbol	Description	Turn-on time	Turn-off time
1	RND	Short intervals in infinite loop	20 – 40 minutes	40 – 80 minutes
2	L-RND	Long intervals in infinite loop	40 – 80 minutes	80 – 160 minutes
3	PROG RND	Short intervals within a	20 – 40 minutes	40 – 80 minutes

## WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

### TRACEABLE® PRODUCTS

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 Webster, Texas 77598 USA  
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Traceable® Products are ISO 9001:2015 Quality-Certified by DNV and ISO/IEC 17025:2017 accredited as a Calibration Laboratory by A2LA.

## TRACEABLE® OUTLET CONTROLLER INSTRUCTIONS