



# TMR100 Securitime Timer Instructions

## Buttons - Definition

MENU/HOME  : At Home screen - Accesses Menu  
In Menu - Returns to Home screen


SELECT/OVERRIDE  : Selects the option on screen in the Menu  
At the Home screen activates the override (if enabled)

BACK: Returns to the previous screen

UP and DOWN: Cycle through on-screen options

## Initial Setup

Use this Initial setup guide to set the time and date. If the previously set parameters are unknown perform a hard reset. (See Page 4)

1. Turn on the power to the unit.
2. If the screen is flashing hold any button for two seconds.
3. Press the 'Menu' button.
4. To navigate the menu press 'UP' and 'DOWN'.
5. When at the '1. Set Time/Date' press 'SELECT'.
6. Press 'UP' or 'DOWN' to navigate then press 'SELECT' at desired screen to adjust the time or date.
7. Press 'UP' or 'Down' to cycle through numbers and 'SELECT' to confirm.
8. When both time and date have been set press  to return to the Home screen which will be displaying the correct time, date and day of the week.

## Home Screen

Under normal operation the unit should be left on the Home screen displaying the correct day, time and date.

**Note:** A dot in the bottom left corner indicates if the relay has switched unless the I/O timer is active.

## Main Menu

Holding the 'Menu' Button for at least one second, at the Home screen, will access the main menu.

### 1. Set time/Date

Please refer to the initial set up to adjust the time or date. The unit will automatically display the correct day of the week, adjust for summer/wintertime and adjust for leap years.

### 2. Set Programme

This function is used to switch the output relay at set times of day. There are 7 programmable timers allowing for a different on/off pattern every day of the week. Each timer has up to 20 programmable times.

The programmes can be set to either:

Latch - The relay will switch over and remain in the switched over position.

Pulse - The relay will switch for a programmable time, up to a minute, then switch back.

The day on which each programme will switch the output relay can be programmed as:

All days - Any times that are programmed will activate the output relay every day of the week.

Mon – Fri - Any times that are programmed will activate the output relay Monday to Friday.

Custom - Any times that are programmed will activate the output relay on group days selected in the custom group.

To programme a timer: Pressing the Home button at any time in the setup will return the unit to the Home screen **without** saving any settings.

1. Press 'SELECT' at the '2. Set Programme' screen.
2. Use 'UP' and 'DOWN' to scroll through the programmes then press 'SELECT' to choose the programme you wish to set.
3. Press 'SELECT' to continue to set up the programme or press 'BACK' to clear the programme.
4. Press 'BACK' to set the output relay to pulse or press 'SELECT' to set the output relay to latch.
5. If pulse was selected, then enter how many seconds the output relay should switch for (up to 59).
6. Select the days the programme should activate the output on.
7. Press 'UP' for the time to switch the relay on or 'Down' to switch the relay off.
8. Enter the time for the relay to activate using 'UP' and 'Down' to scroll and 'SELECT' to confirm.
9. Once the time is confirmed, at the next screen press 'SELECT' to enter another time (up to 6 times can be programmed, once the 6<sup>th</sup> is entered the unit will automatically revert to the main menu.) or press 'BACK' to finish, reverting to the main menu.
10. Repeat this process for all the programmes being used.

To review any of the programmes that have been set scroll through the menu to '6. Review programme' then press 'SELECT' to view it, use the 'Down' button to scroll through the programmes parameters.

### 3. I/O Timer

The I/O Timer allows the relay to switch over for a user programmed time, when an +ve input to the IN1 terminal is detected. The I/O timer will override any programmable timers. When it ends the output relay will return to the state it should be in according to the programmable timers. If there are no programmes assigned it will switch off at the end of the time. Whilst the timer is active a count down clock will appear on the Home screen indicating the time left on the timer.

To set this timer:

(Pressing the Home button at any time in the setup will return the unit to the Home screen without saving any settings.)

1. Press 'SELECT' at the '3. I/O timer' screen.
2. Press 'SELECT' to enable the timer or 'BACK' to Disable it.
3. To set the input re-trip press 'SELECT' for yes or press 'BACK' for no. (With this set, if the unit receives another input whilst the I/O timer is running the timer will be restarted)
4. Set the timers length, up to 24 hours, using 'UP' and 'DOWN' to scroll through numbers and 'SELECT' to confirm.

### 4. Override

The override menu option allows the user to configure the **O** button to be used as an override button when at the Home screen.

The override will switch the relay over from its current state.

Timed mode - In timed mode the relay will switch when the **O** is pressed and stay switched for a programmed length of time up to 24 hours. If the **O** is pressed again before the timer expires the relay will switch back and the timer will restart switching again at the end of the timer. The unit will ignore times from the programme whilst override is active.

Switch mode - In switch mode when the **O** is pressed the relay will switch until either the **O** is pressed again, or the programmable timer changes the state of the relay.

To programme the override:

1. Press 'SELECT' at the '4. Override' screen.
2. Press 'SELECT' to enable the override or 'BACK' to disable it.
3. Press 'SELECT' for timed or 'BACK' for switch.
4. If switch is selected the unit will return to the Home screen.
5. If timed is selected use the 'UP' and 'DOWN' buttons to scroll through times and 'SELECT' button to confirm.

### 5. Secure Code

This Function allows the user to protect the unit with a code. If the secure code is activated, whenever the menu button is pressed the user will be prompted to enter a passcode. The unit will also require the secure code to use the override button.

To activate the secure code:

(Pressing the Home button at any time in the setup will return the unit to the Home screen without saving any settings.)

1. Press 'SELECT' at the '5. Secure Code' screen in the main menu.
2. Press 'DOWN' to activate the secure code function or 'UP' to deactivate it.
3. If deactivate is selected the unit will return to the Home screen.
4. If activate is selected the unit will prompt the user to create a 4-digit code. Create a code using the 'SELECT', 'BACK', 'UP' and 'DOWN' buttons, when the final value has been entered the unit will return to the Home screen.

### 6. Review Programme

To review any of the timers programmed into the unit:

1. Scroll through the main menu until option '6. Review Programme' press 'SELECT'.
2. Scroll through the programmes until the desired programme is displayed then press 'SELECT'
3. Press 'DOWN' to scroll through the parameters associated with that programme.

### 4. Factory Reset

Selecting this menu option will clear all pre-programmed options, override functions and passcodes from the timer. Please follow on screen instructions.

### Hard Reset

Remove the coin cell, remove power for 5 seconds, connect the IN terminal to any +ve on the timer then reapply power whilst holding the 'MENU' and 'DOWN' buttons simultaneously.

When the Remove Input screen is flashing, remove the input and replace the coin cell the unit will then start with everything that was previously stored, wiped.