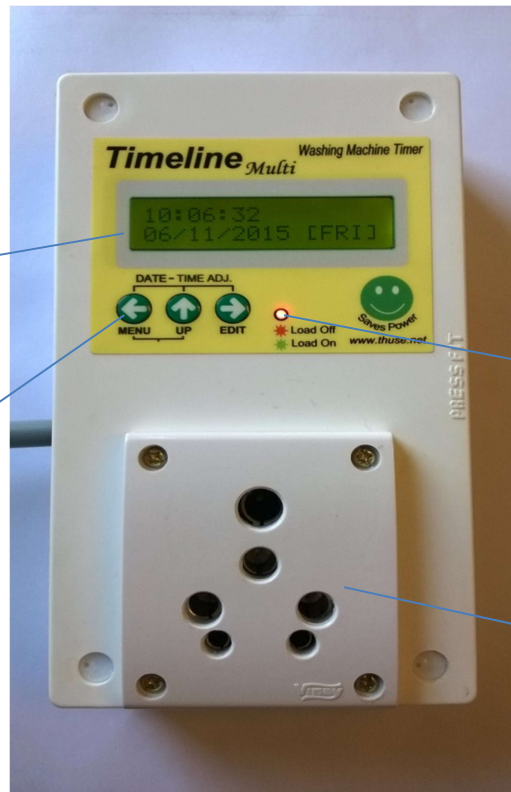


Washing Machine Timer
Boiler/Water heater Timer

Operations Manual

Multi-info LCD
Display

Buttons



Multi-Function
Multi Event Timer

LED
Indication for
Load status

Socket

Features:

1. 16x2 LCD display with 3 buttons for user settings
2. Max. 25 independently programmable events per day
3. Weekdays settings for each event
4. Max. 20 user programmable holiday dates
5. Max. 10 user programmable holiday date ranges
6. Programmable ON time duration possible from 1 second to 23hours 59minutes 59seconds
7. Bypass mode for manual operation
8. Power Failure memory backup

Applications:

To automatically turn ON and OFF following appliances in desired timeslots in a day

- Washing Machine timer
- Boilers/Water heater
- Water Pumps
- Temple *Aarti machine*
- Lights

Operating Instructions:

1. Current Date and time settings


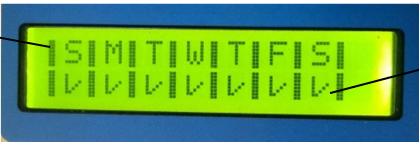
Step	Operation	Use Key	Display Shows
1	To Select date and time edit settings	(←) + (↑) + (→) (MENU+UP+EDIT) for 2 seconds	'Date' field of current date blinks(DD:MM:YY)
2	To change the value of blinking field	Press UP (↑) key	Value corresponding to blinking field increases
3	To move the cursor to next field	Press (→) Key	Next field blinks
4	To save and exits Current date/time settings	Press (→) key till blinking cursor is at the last field and press (→) key one more time	'SETTINGS SAVED' message flashes
<p>*Note: If settings are left incomplete (no key is pressed for 10 seconds), whatever setting done so far will automatically get saved after 10 seconds and setting mode exits.</p>			

2. Select Bypass Mode

Step	Operation	Use Key	Display Shows
1	To Select Bypass Mode	(←) + (↑) Press and hold (MENU+UP) for 2 seconds. Bypass is active as long as the key-combo is held pressed.	'BYPASS MODE' is displayed
2	To exit from Bypass Mode	(←) + (↑) Release (MENU+UP)	Default display as 'HH:MM:SS DD/MM/YY [DAY]

***Note: Bypass mode is used for manually turning ON or OFF the load.**

3. To VIEW/EDIT events

Step	Operation	Use Key	Display Shows				
1	To enter main menu	Press MENU key for 2 seconds	MENU: > VIEW/EDIT ↓				
2	To scroll menu items	Press UP key	MENU: > HOLIDAY RANGE ↓				
3	Next menu item	Press UP key	MENU: > HOLIDAY ↓				
Pressing 'UP' key shows next menu item in the list							
3	To enter VIEW/EDIT event settings	Press (→) key when 'VIEW/ EDIT' option is on screen	<div style="font-family: monospace; font-size: 0.8em;"> #01 AT HH:MM' OFF FOR HH:MM:YY' And S M T W T F S X V X V X V V Alternately </div>				
Settings of Event No. 1 are shown on Display. This is VIEW mode.							
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Event number 1 of 25</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">ON time HH:MM</div> </div> <div style="display: flex; justify-content: center; align-items: center;">  </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">ON - Enable OFF - Disable</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Duration HH:MM:SS</div> </div> <div style="display: flex; justify-content: center; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Weekdays Settings of Event #01</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <table border="1" style="font-size: 0.8em;"> <tr><td>Enable</td><td style="text-align: center;">V</td></tr> <tr><td>Disable</td><td style="text-align: center;">X</td></tr> </table> </div> </div> <div style="display: flex; justify-content: center; align-items: center; margin-top: 10px;">  </div>				Enable	V	Disable	X
Enable	V						
Disable	X						
4	To view next event in the list	Press UP key	<div style="font-family: monospace; font-size: 0.8em;"> #02 AT HH:MM OFF FOR HH:MM:SS And S M T W T F S X V X V X V V Alternately </div>				
*Event which is currently being displayed can be edited right there by pressing 'EDIT' key							

View/Edit Events Settings Continued...

Step	Operation	Use Key	Display Shows
5	To edit event currently displayed	Press EDIT key	'OFF' field of displayed event blinks
6	To change the value of blinking field	Press UP key	Value of blinking field changes
7	To move to next field	Press (→) key	Next field blinks
<p>*Similarly, all fields can be edited. After duration is set, weekdays settings for the same event is displayed ' S M T W T F S ' ' x x x x x x x ' First Cross mark of Sunday blinks.</p>			
8	To change the value of blinking field (X or V)	Press UP key	Value of blinking field changes
9	To move to next Field	Press (→) key	Next field blinks
<p>Once all days are set, 'CHANGES SAVED' message is displayed and control is back to 'VIEW' Mode with display as:</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 20px;">XX – Event No.</div> <div style="border: 2px solid black; padding: 10px; text-align: center;"> <pre> '#XX AT HH:MM' 'OFF FOR HH:MM:YY' And 'S M T W T F S ' 'X V X V X V V ' </pre> </div> <div style="margin-left: 20px;"> <p>← Displays Alternately</p> </div> </div> <p style="text-align: center;">Now, you can use UP key to VIEW event</p> <p>Also, Pressing (←) button anywhere in the Menu takes the settings one step back by automatically saving the current changes.</p>			
10	To exit from VIEW/EDIT option	Press MENU key	MENU: > VIEW/EDIT ↓
11	To exit from the menu	Press MENU key again	HH:MM:SS DD/MM/YY [DAY]
<p>Default display contents are</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;"> HH:MM:SS DD/MM/YY [DAY] </div> <p style="text-align: center;">Also, upcoming event is shown alternately for 4 seconds.</p>			

4. View/edit Holiday Settings

Step	Operation	Use Key	Display Shows
1	To enter main menu	Press MENU key for 2 seconds	MENU: > VIEW/EDIT ↓
2	To scroll menu items	Press UP key	MENU: > HOLIDAY RANGE ↓

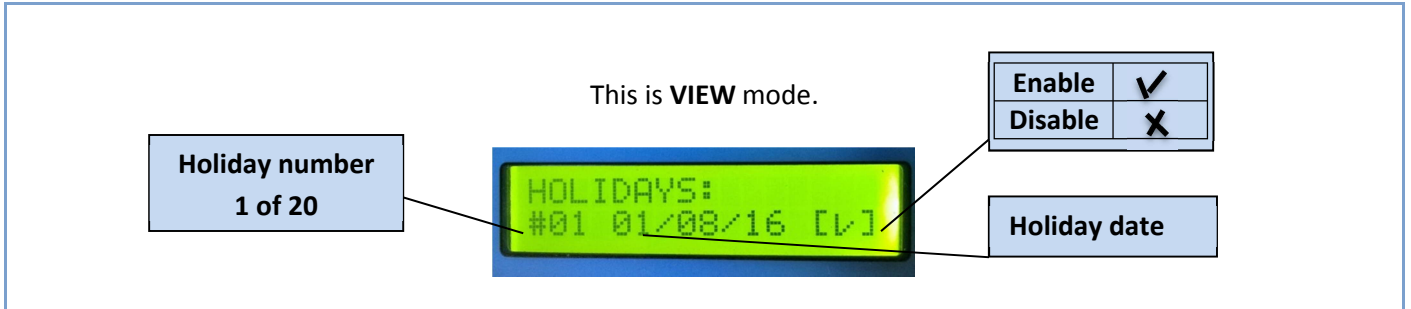
View/Edit Holiday range Settings Continued...

Step	Operation	Use Key	Display Shows
3	To enter 'HOLIDAY RANGE' settings	Press (→) key	'#01 FRM DD/MM/YY' 'OFF TO DD/MM/YY'
<p>This is VIEW mode.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> Holiday Range number 1 of 10 </div> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> ON - ENABLE OFF - DISABLE </div> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> #01 FRM 04/03/16 OFF TO 09/03/16 </div> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> Start date </div> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> End date </div> </div>			
4	To view next holiday in the list	Press UP key	'#02 FRM DD/MM/YY' 'OFF TO DD/MM/YY'
<p>*Holiday range which is currently being displayed can be edited right there by pressing 'EDIT' key</p>			
5	To edit holiday info currently displayed on LCD	Press EDIT key	Date field of start date blinks
6	To change the value of blinking field	Press UP key	Value of blinking field changes
7	To move to the next field	Press (→) key	Next field blinks
<p>*Similarly, all fields can be edited. After last field is set by pressing (→) key, changes are saved and control is back to VIEW mode.</p>			
8	To exit from holiday settings	Press (←) key	MENU: > HOLIDAY RANGE ↓
9	To exit from the menu	Press (←) key again	HH:MM:SS DD/MM/YY [DAY]
<p>*Note:</p> <ol style="list-style-type: none"> Pressing (←) button anywhere in the Menu takes the settings one step back by automatically saving the current changes. If settings are left incomplete (No key is pressed for 2 minutes), whatever setting done so far will automatically get saved after 2 minutes and setting mode exits. 			

5. View/edit Holiday Settings

Step	Operation	Use Key	Display Shows
1	To enter main menu	Press MENU key for 2 seconds	MENU: > VIEW/EDIT ↓
2	To scroll menu items	Press UP key	MENU: > HOLIDAY ↓
3	To enter HOLIDAY settings	Press EDIT key	HOLIDAYS: #01 DD/MM/YY [x]

View/Edit Holiday Settings Continued...



Step	Operation	Use Key	Display shows
4	To view next holiday in the list	Press UP key	HOLIDAYS: #02 DD/MM/YY [x]
*Holiday info which is currently being displayed can be edited right there by pressing 'EDIT' key			
5	To edit holiday info currently displayed on LCD	Press EDIT key	Date field blinks
6	To change the value of blinking field	Press UP key	Value of blinking field changes
7	To move to the next field	Press (→) key	Next field blinks
*Similarly, all fields can be edited. After last field (cross/tick) is set, changes are saved and control is back to VIEW mode.			
8	To exit from holiday settings	Press (←) key	MENU: > HOLIDAY ↓
9	To exit from the menu	Press (←) key again	Default display as HH:MM:SS DD/MM/YY [DAY]

***Note:**

1. Pressing (**←**) button anywhere in the Menu takes the settings one step back by automatically saving the current changes.
2. If settings are left incomplete (No key is pressed for 2 minutes), whatever setting done so far will automatically get saved after 2 minutes and setting mode exits.