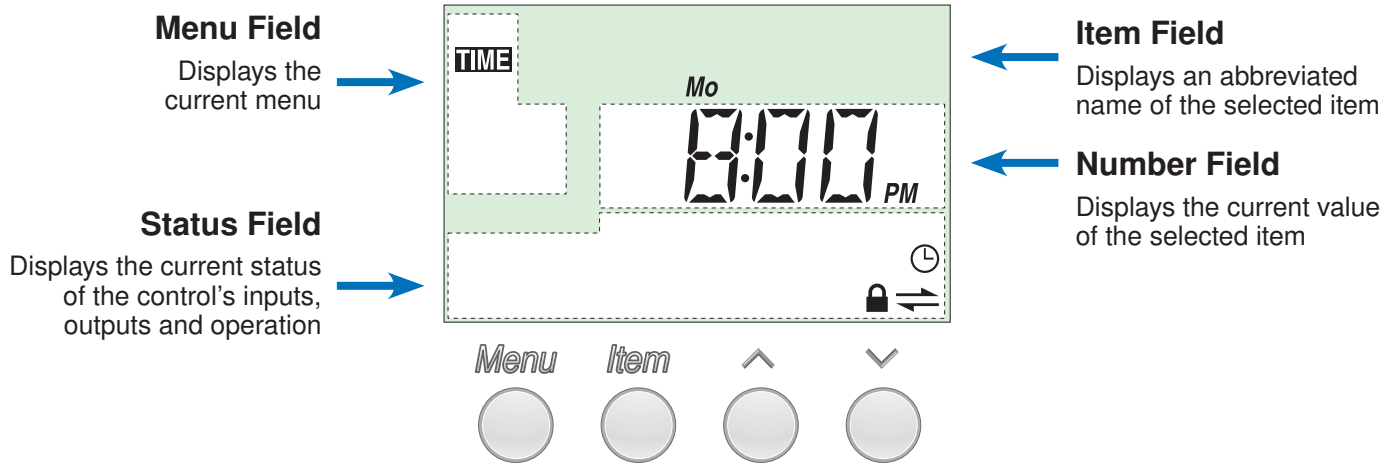


## Display



## Symbols Description

	<b>SCHEDULE MASTER</b> A schedule is in use on this timer.		<b>WARNING</b> Indicates an error is present.
	<b>tN4 COMMUNICATION</b> Indicates when a communication network is detected.	<i>Wake Occ</i>	<b>SCHEDULED EVENT</b> Indicates the current scheduled event.
	<b>LOCK</b> Indicates that the access levels are locked. Also indicates when an item is visible but not adjustable.	<i>UnOcc Sleep</i>	

## User Interface

The control uses a Liquid Crystal Display (LCD) as the method of supplying information on the operation of the Timer.

### Access Levels

This Timer has three access levels:

- LTD (Limited)
- USER (User)
- ADV (Advanced)

This brochure only covers the features available in the Limited and User levels. Only qualified service people should adjust the Advanced access level.

### Menu

All of the items displayed by the timer are organized into six menus:

- Time
- Schedule 1
- Schedule 2\*
- Schedule 3\*
- Schedule 4\*
- Miscellaneous

These menus are listed in the Menu Field on the top left hand side of the display.

Use the Menu button to advance to the next menu.

\* These items are only available if this device was installed to operate more than 1 schedule on a tN4 system.

### Item

Each menu has several items. The abbreviated name of the selected item will be displayed in the item field of the display. To view the next available item, press and release the Item button.

### Adjustment

To make an adjustment to a setting in the timer:

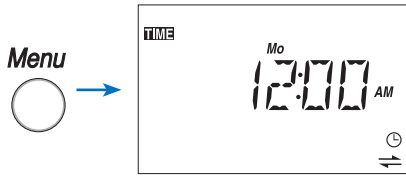
1. Use the Menu button to select the appropriate menu.
2. Use the Item button to select the desired item.
3. Use the Up or Down button to adjust the setting.

### Default Item

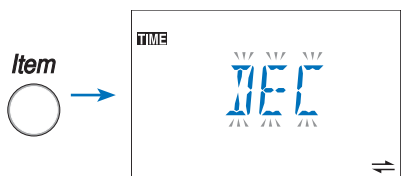
The display reverts back to the Time menu after 60 seconds of button inactivity.

## Setting the Time

**Step 1:** Use the Menu button to select the Time menu. The current time and day displays. If the clock has not been set, the time will flash.

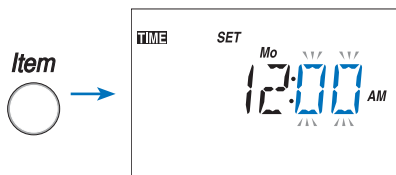


**Step 2:** Use the Item button to advance to the next item. If your installer has selected Daylight Savings Time the date is displayed. If the date has not been set, it will flash. If your installer has not selected Daylight Savings Time, the date will not be displayed.

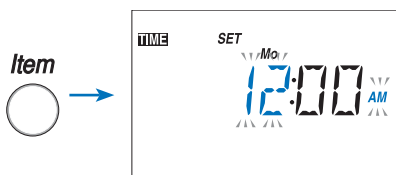


The Date is displayed in sections starting with the Month, followed by the day of the month, then year.

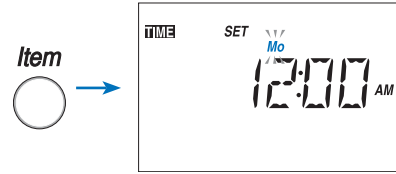
**Step 3:** Use the Item button to advance to the next item. The minutes begin to flash. Use the Up or Down button to set the minutes.



**Step 4:** Use the item button to advance to the next item. The hours begin to flash. Use the Up or Down button to set the hour.

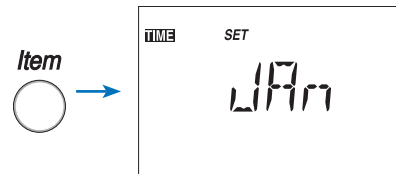


**Step 5:** Use the Item button to advance to the next item. The day begins to flash. Use the Up or Down button to set the day.

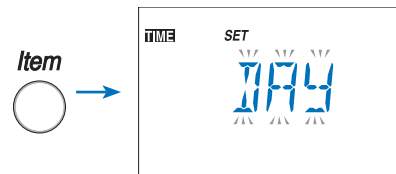


**If your installer has selected Daylight Savings Time then continue with Steps 6, 7, and 8.**

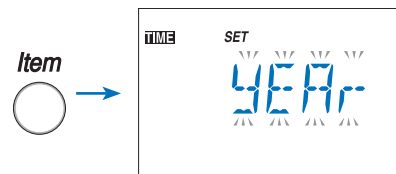
**Step 6:** Use the Item button to advance to the next item. The month can now be set. The display will toggle between "Month" and "JAN" every two seconds. Use the Up or Down button to set the month.



**Step 7:** Use the Item button to advance to the next item. The Day can now be set. The display will toggle between "Day" and "01" every two seconds. Use the Up or Down button to set the day of the month.



**Step 8:** Use the Item button to advance to the next item. The Year can now be set. The display will toggle between "Year" and "2007" every two seconds. Use the Up or Down button to set the year.



## Selecting a Schedule

During installation, your installer will have selected a schedule for your thermostats to follow.

To view which schedules have been selected to operate:

**1.** Use the Menu button to navigate through the timer and view which schedules have been turned ON. Schedules that are not turned on will not be viewable. You can have a maximum of 4 schedules.

**2.** Use the Item button to navigate through each schedule menu to view the settings of the selected schedule.

**Note:** For instructions on how to change the number of available schedules, see the Data Brochure D033. An electronic version of the D033 is available on the tekmar website: [www.tekmarcontrols.com](http://www.tekmarcontrols.com).

## Selecting the Schedule Type

The schedule type determines how frequently the schedule repeats itself. This Timer includes four schedule types:

1. Use the Menu button to select the Schedule menu.
2. Use the Item button to select SCHED TYPE.
3. Use the Up or Down button to select one of the following four schedule types:
  - 24 Hour: All days have the same schedule.
  - 5-2: Monday to Friday follow the same schedule. Saturday and Sunday follow the same schedule.
  - \* 5-11: Monday to Friday follow the same schedule. Saturday and Sunday have their own schedules
  - 7 Day: All seven days of the week have their own schedule.

Schedule Type				
Day	24 Hour	5-2	5-11	7 day
Sa		•	•	•
Su			•	•
Mo				•
Tu	•			•
We		•	•	•
Th				•
Fr				•

## Selecting the Schedule Mode

The schedule allows for either 4 or 2 temperatures per day.

To select the schedule mode:

1. Use the Menu button to select the desired Schedule menu.
2. Use the Item button to select the SCHED MODE.

3. Use the Up or Down button to select one of the following two schedule modes:

- 4 Events: Wake, Unoccupied, Occupied, Sleep
- 2 Events: Occupied, Unoccupied

## Setting the Schedule

The installer of this timer may have already entered a schedule. Please refer to Job Record J033.

### To set the schedule:

1. Use the Menu button to select the desired Schedule menu that you want to set (Schedule 1, 2, 3, or 4).
2. Use the Item button to select the first event of the schedule.

3. Use the Up or Down button to set the start time of the event.

- If you wish to skip the event, select “--:--” as the time. “--:--” is found between 11:50 PM and 12:00 AM or 23:50 and 24:00.

4. Use the Item button to advance to the next available event.
5. Repeat steps 3 and 4 for all of the available events.

## Backlight

The timer’s display has a backlight. By default the backlight is set to Temporary, meaning that it comes on for 30 seconds with the touch of any button. The backlight can be set to On, Temporary, or Off.

### To change the backlight setting:

1. Use the Menu button to select the Misc menu.
2. Use the Item button to select Backlite.

3. Use the Up or Down button to select a setting:

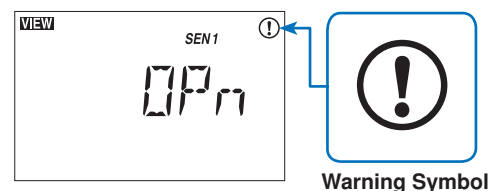
- ON: Backlight stays on.
- TMPY (Temporary): Backlight stays on for 30 seconds.
- OFF: Backlight is off.

**Note:** The backlight setting can only be adjusted in the User or Advanced access levels.

## Error Messages

When the timer encounters a problem, a Warning Symbol appears and a description of the error message is displayed. To troubleshoot how to correct the error, please refer to the Data Brochure or contact a qualified installer.

An electronic version of the Data Brochure D 033 is available on the tekmar website: [www.tekmarcontrols.com](http://www.tekmarcontrols.com).



## Cleaning the Timer

Clean the timer's exterior using a damp cloth. Moisten the cloth with water and wring out prior to wiping the timer. Do not use solvents or cleaning solutions.

## Limited Warranty and Product Return Procedure

**Limited Warranty** *The liability of tekmar under this warranty is limited. The Purchaser, by taking receipt of any tekmar product ("Product"), acknowledges the terms of the Limited Warranty in effect at the time of such Product sale and acknowledges that it has read and understands same.*

**The tekmar Limited Warranty to the Purchaser on the Products sold hereunder is a manufacturer's pass-through warranty which the Purchaser is authorized to pass through to its customers. Under the Limited Warranty, each tekmar Product is warranted against defects in workmanship and materials if the Product is installed and used in compliance with tekmar's instructions, ordinary wear and tear excepted. The pass-through warranty period is for a period of twenty-four (24) months from the production date if the Product is not installed during that period, or twelve (12) months from the documented date of installation if installed within twenty-four (24) months from the production date.**

The liability of tekmar under the Limited Warranty shall be limited to, at tekmar's sole discretion: the cost of parts and labor provided by tekmar to repair defects in materials and / or workmanship of the defective product; or to the exchange of the defective product for a warranty replacement product; or to the granting of credit limited to the original cost of the defective product, and such repair, exchange or credit shall be the sole remedy available from tekmar, and, without limiting the foregoing in any way, tekmar is not responsible, in contract, tort or strict product liability, for any other losses, costs, expenses, inconveniences, or damages, whether direct, indirect, special, secondary, incidental or consequential, arising from ownership or use of the product, or from defects in workmanship or materials, including any liability for fundamental breach of contract.

The pass-through Limited Warranty applies only to those defective Products returned to tekmar during the warranty period. This Limited Warranty does not cover the cost of the parts or labor to remove or transport the defective Product, or to reinstall the repaired or replacement Product, all such costs and expenses being subject to Purchaser's agreement and warranty with its customers.

Any representations or warranties about the Products made by Purchaser to its customers which are different from or in excess of the tekmar Limited Warranty are the Purchaser's sole responsibility and obligation. Purchaser shall indemnify and hold tekmar harmless from and against any and all claims, liabilities and damages of any kind or nature which arise out of or are related to any such representations or warranties by Purchaser to its customers.

The pass-through Limited Warranty does not apply if the returned Product has been damaged by negligence by persons other than tekmar, accident, fire, Act of God, abuse or misuse; or has been damaged by modifications, alterations or attachments made subsequent to purchase which have not been authorized by tekmar; or if the Product was not installed in compliance with tekmar's instructions and / or the local codes and ordinances; or if due to defective installation of the Product; or if the Product was not used in compliance with tekmar's instructions.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WHICH THE GOVERNING LAW ALLOWS PARTIES TO CONTRACTUALLY EXCLUDE, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, DURABILITY OR DESCRIPTION OF THE PRODUCT, ITS NON-INFRINGEMENT OF ANY RELEVANT PATENTS OR TRADEMARKS, AND ITS COMPLIANCE WITH OR NON-VIOLATION OF ANY APPLICABLE ENVIRONMENTAL, HEALTH OR SAFETY LEGISLATION; THE TERM OF ANY OTHER WARRANTY NOT HEREBY CONTRACTUALLY EXCLUDED IS LIMITED SUCH THAT IT SHALL NOT EXTEND BEYOND TWENTY-FOUR (24) MONTHS FROM THE PRODUCTION DATE, TO THE EXTENT THAT SUCH LIMITATION IS ALLOWED BY THE GOVERNING LAW.

**Product Warranty Return Procedure** All Products that are believed to have defects in workmanship or materials must be returned, together with a written description of the defect, to the tekmar Representative assigned to the territory in which such Product is located. If tekmar receives an inquiry from someone other than a tekmar Representative, including an inquiry from Purchaser (if not a tekmar Representative) or Purchaser's customers, regarding a potential warranty claim, tekmar's sole obligation shall be to provide the address and other contact information regarding the appropriate Representative.



tekmar Control Systems Ltd., Canada  
tekmar Control Systems, Inc., U.S.A.  
**Head Office: 5100 Silver Star Road  
Vernon, B.C. Canada V1B 3K4  
(250) 545-7749 Fax. (250) 545-0650  
Web Site: [www.tekmarcontrols.com](http://www.tekmarcontrols.com)**

