The Intermatic ET1100 Series Electronic 24-Hour Time Switch automatically switches loads to a preset daily schedule with to-the-minute accuracy.

Use the ET1100 series as an ON/OFF timer in applications requiring 24-hour load control such as lighting, air conditioning systems, pumps, etc. Each load output of the Time Switch can support up to 14 timed ON and 14 timed OFF events per day. The program can be overridden by pushing the ON/OFF load override button(s).

The ET1100 Series Time Switch is designed to directly switch tungsten or ballast loads up to its rating, and inductive or resistive loads up to 30 A at 120, 208, 240, or 277 VAC.

Specifications

Time Switch
- Input Voltage: 120/208/240/277 VAC, 60 Hz
- Power Consumption: 6.0 W Max.
- Contact Configuration: SPST (ET1105C), DPST (ET1125C), and SPDT (ET1115C). See wiring diagrams on next page.

Switch Ratings—ET1105C, ET1125C (per pole)
- 30 A Inductive/Resistive, 120/240 VAC, 60 Hz
- 20 A Magnetic Ballast, 120-277 VAC, 60 Hz
- 1 A Electronic Ballast 120-277 VAC, 60 Hz
- 20 A Resistive, 28 VDC
- 5 A Tungsten: 120/240 VAC, 60 Hz
- 1 HP, 120 VAC, 60 Hz
- 2 HP, 240 VAC, 60 Hz

Switch Ratings—ET1115C (NO/NC) Normally Open/Normally Closed Contact
- 20 A/10 A Inductive/Resistive, 120/208/240 VAC, 60 Hz
- 20 A/3 A Magnetic Ballast, 120-277 VAC, 60 Hz
- 1 A Electronic Ballast 120-277 VAC, 60 Hz (NO)
- 5 A Tungsten: 120/240 VAC, 60 Hz
- 1 HP / ¼ HP: 120 VAC, 60 Hz
- 2 HP / ½ HP: 240 VAC, 60 Hz

Set Points (Events)—Each load output of the Time Switch can support up to 14 timed ON and 14 timed OFF events per day.

Battery-Powered Clock Operation—3 years minimum (uses 2 AAA industrial grade alkaline batteries, supplied)

Minimum ON or OFF time—1 minute
Maximum ON or OFF time—23 hours, 59 minutes
Shipping Weight—2.5 lb. (1.1 kg)
5. Mount the enclosure in the desired location using the 3 mounting holes provided.

Position at eye level if possible, providing space to the left of the enclosure for the cover to swing open fully, as shown.

6. Replace the mechanism in the enclosure.

7. Lift the left side of the plastic insulator off the retaining post and pivot it up and away to expose the terminal strip.

8. Strip the supply and load wires to 1/2". Use #18 - #10 AWG wires, rated at least 75°C - COPPER conductors ONLY.

9. Insert the wire ends under the proper terminal plates (see wiring diagrams elsewhere on this page) and tighten the screws firmly.

10. Connect ground wire to grounding terminal at bottom of enclosure.

11. Replace the plastic insulator on the retaining post.

12. Remove the battery case by sliding it down as shown by the arrows, then install 2 AAA alkaline batteries. Make sure the batteries are pointing in the direction shown.

13. Verify that the display is ON to make sure the batteries are OK. If the display shows scrambled information, press the RESET button to clear it up.

14. Apply power to the Time Switch.

**IMPORTANT:** Press and hold the ENTER button, then press the RESET button. The screen will flash 12:00 AM, and timer status is Manual Mode.

**NOTE:** You must reset the time switch using this procedure whenever you change the jumpers.

The Time Switch is now ready for programming.

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**Wiring Diagrams**

**ET1105 configured for SPST, 120 VAC load**

**ET1125 configured for pulse SPST load with jumper set to PUL**

**ET1125 configured for 2 SPST loads with jumper set to IND**

**ET1125 configured for 240VAC DPST load with jumper set to SIM**

**ET1125 configured for DPST loads with jumper set to SIM**

**ET1115 configured for SPDT load switching**

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**Programming Overview**

By pressing the MODE button, the Time Switch will cycle through the menus necessary for programming the current time, date, and timed events.

The basic procedure is to use the MODE button to move from one menu to the next (e.g., DATE, TIME, etc.), the + or – buttons for the first part of a setting (e.g., MONTH), the ENTER button to move to the next part of the setting (e.g., YEAR), then MODE to exit and move to the next menu. To skip a menu, press MODE to move ahead.

If you make a mistake, press the MODE button repeatedly to cycle back around to the error, then make the correct entry.

**NOTE:** DATE and TIME must be set before you can access any other programming menus.

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**Setting Date**

1. Press the MODE button repeatedly until the words SET and DATE appear in the upper area of the display.
2. Press the + or – buttons to enter the current Month.
3. Press the ENTER button when the Month is correct to save the setting. The screen advances to current Date.
4. Again press the + or – buttons to enter the current Date, followed by the ENTER button.
5. Repeat to set the correct Year.
6. Press the MODE button to exit and advance to setting the time.
**Setting Time**

1. If necessary, press the **MODE** button repeatedly until the words SET and CLOCK appear in the upper area of the display.
2. Press the + or – buttons to enter the current time.
   **NOTE:** To go from AM to PM, keep pressing the + or – buttons to cycle through the day. You can hold the + or – buttons down for 3 seconds to make the time scroll quickly.
3. Press the **MODE** button to exit and advance to setting events.

**Setting ON/OFF Events**

1. If necessary, press the **MODE** button repeatedly until the words SET ON/OFF EVENTS and EVENT 01 appear on the display.
2. If necessary, press the **ENTER** button to display ON @ or OFF @ (depending on what you want to set).
3. Press the + or – buttons to enter the time you want to set.
   **NOTE:** To go from AM to PM, keep pressing the + or – buttons to cycle through the day. You can hold the + or – buttons down for 3 seconds to make the time scroll quickly.
4. **ET1125C ONLY**—For a multi-circuit device with loads set independently, you can choose the load you want the event to control. The default setting is for both loads, as you can see on the display. Press the ON/OFF button under a load to remove the load from the event.
5. When you have set the event correctly, you have two choices:
   - Press the **ENTER** button to set the next ON/OFF event (up to 28 events).
   - Press the **MODE** button to exit.

**Operating the Time Switch**

Press the **MODE** button repeatedly to select the desired operating mode on the display. There are 2 options:

- **AUTO**—where the Time Switch follows the events you have programmed, turning the circuits ON and OFF at the time(s) set.
  **NOTE:** You can override programmed events and force the Time Switch ON or OFF by pressing the ON/OFF button.
- **MANUAL**—where any events set are disabled and the Time Switch controls all circuits through the ON/OFF button.

**NOTE:** You can review or edit any programmed events at any time by pressing the **MODE** button repeatedly to return to the appropriate menu, then following programming instruction provided on this sheet.

**OPTIONAL – Deleting (Clearing) an Event**

Use this procedure to clear the settings programmed for an event.

1. If necessary, press the **MODE** button repeatedly until the words SET ON/OFF EVENTS are shown on the display.
2. Press the **ENTER** button as necessary to cycle through events that have been set until you see the event you want to delete.
3. Press the + or – buttons AT THE SAME TIME to display --:-- --.
4. Press the **MODE** button to exit.

**Battery Maintenance**

- Batteries can be easily replaced without removing the Time Switch mechanism or field wiring.
- Press in and downward (in the direction of the arrows) on the battery cover.
- It is recommended to replace the batteries every 2-3 years with 2 AAA industrial grade alkaline cells as part of normal maintenance on the Time Switch.
- Be sure to observe battery polarity markings when installing batteries.
- No other battery maintenance is required.

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**LIMITED ONE-YEAR WARRANTY**

If within the warranty period specified, this product fails due to a defect in material or workmanship, Intermatic Incorporated will repair or replace it, at its sole option, free of charge. This warranty is extended to the original household purchaser only and is not transferable. This warranty does not apply to: (a) damage to units caused by accident, dropping or abuse in handling, acts of God or any negligent use; (b) units which have been subject to unauthorized repair, opened, taken apart or otherwise modified; (c) units not used in accordance with instructions; (d) damages exceeding the cost of the product; (e) sealed lamps and/or lamp bulbs, LED's and batteries; (f) the finish on any portion of the product, such as surface and/or weathering, as this is considered normal wear and tear; (g) transit damage, initial installation costs, removal costs, or reinstallation costs.

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This warranty service is available by either (a) returning the product to the dealer from whom the unit was purchased or (b) completing a warranty claim online at www.intermatic.com. This warranty is made by: Intermatic Incorporated, Customer Service 7777 Winn Rd., Spring Grove, Illinois 60081-9698. For warranty service go to: http://www.Intermatic.com or call 815-675-7000.

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