INTERMATIC®
MODEL EJ351
Indoor Wall Switch Timer
Installation and User Instructions

Installing the Switch Timer

Red Indicator Light
Control Lever
Control Panel
Plastic Screw Cover
Push-Button Time Dial
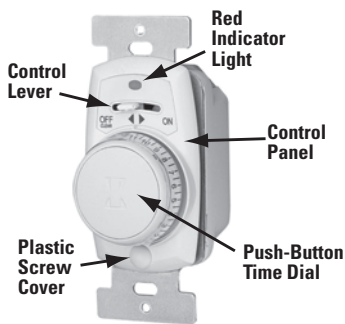
INCLUDED FOR INSTALLATION:
Flat Head Screws (2)
Twist Connectors (2)
Dome Head Screw (1)
Plastic Screw Cover (1)
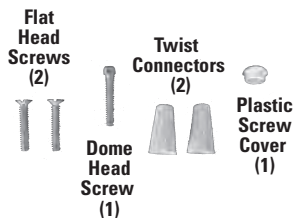
The EJ351 Switch Timer replaces a standard toggle switch. Installation requires the following tools:

- Flat-blade screwdriver
- Phillips-head screwdriver

1. Turn off power at the service panel by REMOVING FUSE or TURNING THE CIRCUIT BREAKER OFF.
2. Remove the switchplate and existing wall switch.
3. Remove the dial and control panel from the switch timer. Gently and firmly pull straight out to remove.
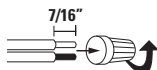4. Trim building wires to 7/16" as shown.

7/16"

5. Connect two wires from the wall to the BLACK wires from the switch timer, using the twist connectors provided.

BLACK
BLACK
RED Indicator Light

6. If the old switch had a ground wire (normally connected to a green hex-head screw), fasten it securely to the metal box or timer metal bracket.
7. Make sure all twist connectors are tight.
8. Tuck wires into wall box leaving room for the device.
9. Using 2 flat-head screws provided, mount the switch timer into the wall box.

RED Indicator Light

10. Position the wall plate over the switch timer, making sure the upper screw hole of the wall plate is over the RED indicator light.
11. Install the control panel over the wall plate as follows:
    a. Position the clear plastic lens into the upper screw hole in the wall plate.
    b. Make sure the post next to the knob shaft is properly aligned with the control lever hole in the control panel.
    c. Install the dome-head screw in the bottom hole of the control panel, on through the bottom hole of the switch plate. Tighten snugly but DO NOT OVERTIGHTEN.
    d. Install the white plug over the dome-head screw.

Clear Plastic Lens

12. Press the dial onto the switch timer's shaft. Align the flat side of the shaft with the flat side within the dial.
13. Turn power back on at the service panel.

Align with Hole in Control Panel
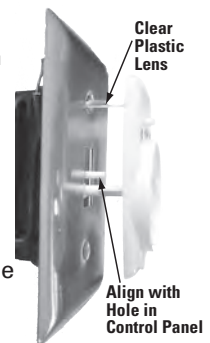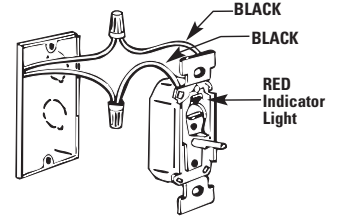
Programming Using the RAPID Method

Use this procedure to *manually program* ON/OFF settings.

1. Move the control lever to the OFF-CLEAR position for about 20 seconds. The red indicator light will go off and any previous time settings will be cleared from memory.
2. Move the control lever to the ON position. The Red indicator light will start flashing.
3. Rotate the time dial clockwise at least one click, stopping at the half hour nearest to the present time.

   NOTE: During programming, be careful not to press the dial while turning it. If you press the dial, you will accidentally set a wrong time.

1. Press the dial once to set the present time. The Red indicator light will go off.
2. Rotate the time dial clockwise to the first desired ON time. The Red light will pulse momentarily with each click.
3. Press the dial once to enter the ON time. The light controlled by the switch timer will turn ON.
4. Rotate the time dial clockwise to the desired OFF time.
5. Press the dial once to enter the OFF time. The light controlled by the switch timer will turn OFF.
6. Repeat Steps 5-8 for each additional ON/OFF setting.
7. Continue to rotate the time dial until the Red indicator light comes ON and stays ON, indicating that the switch timer is in AUTOMATIC mode.

Programming Using the 24-HOUR Method

Use this procedure to *automatically program*, letting the switch timer "record" your ON/OFF activities over a 24-hour period, storing them as programmed settings.

1. Move the control lever to the OFF-CLEAR position for about 20 seconds. The red indicator light will go off and any previous time settings will be cleared from memory.
2. Move the control lever to the ON position. The Red indicator light will start flashing.
3. Press the dial as an ON/OFF switch to turn lights ON and OFF at the ON and OFF times you desire for the first 24 hours.
4. At the end of the 24-hour period, the switch timer will be programmed and the Red indicator light will stay ON, indicating that the switch timer is in AUTOMATIC mode.

Reviewing the Settings Stored in Memory

Use this procedure to check the settings programmed into the switch timer.

NOTE: Reviewing will not change or delete the program. The only way to delete a program is to move the control lever to the OFF-CLEAR position for about 20 seconds. This clears the entire memory.

1. Make sure the switch timer is in AUTOMATIC mode, with the Red indicator light flashing.
2. Rotate the time dial clockwise at least one click, stopping at the nearest half hour to the present time.
3. Press the dial once to start the Review cycle. The Red indicator light will go OFF.

4. Rotate the time dial slowly clockwise, observing the time shown on the dial when the light controlled by the switch timer goes ON and OFF.
5. Press the dial once to end the Review cycle. The Red indicator light will go ON and stay ON, indicating that the switch timer is in AUTOMATIC mode.

Everyday Use of the EJ351 Switch Timer

- The time dial does not rotate automatically to function as a clock (reflecting the time of day). After programming is complete, the time dial functions only as an ON/OFF switch.
- The Switch Timer can be used in either of two modes. To switch between modes, quickly press the dial twice:
  - **AUTOMATIC MODE:** The Switch Timer will turn the light ON or OFF according to programmed settings. RED indicator light stays ON when in Automatic Mode.
    NOTE: Even in AUTOMATIC Mode, press the dial to manually turn the light ON or OFF. While this will override the current program, it will not disturb the next one.
  - **MANUAL MODE:** Programmed settings are inactive, and the Switch Timer will only turn the light ON or OFF when you push on the dial. RED indicator light stays OFF when in Manual mode.
- When the controlled light bulb burns out, the red indicator light will also go off and timer settings are affected. Change the bulb as follows:
  a. Move the Control Lever to the OFF-CLEAR position.
  b. Replace the bulb.
  c. Move the control lever back to the ON position.
  d. Reprogram the timer settings.

Troubleshooting Guide

Observed Problem	What to Do
The Switch Timer cannot be programmed using the RAPID method.	Was the timer correctly programmed according to the instructions? If not, try again.
	Make sure the Control Lever is in the ON position.
	Make sure the Red Indicator Light is flashing before beginning programming.
	Make sure you have set the Current Time before programming ON/OFF times.
	Make sure you are pressing the Dial fully during the programming sequence.
The Switch Timer does not turn lights ON and OFF automatically, as programmed.	Was the timer correctly programmed according to the instructions? If not, try again.
	Make sure the timer is not accidentally in MANUAL mode, with the Red indicator light OFF.
	Make sure the controlled light bulb(s) is tight in its socket and is not burned out.
	Check the wiring for any loose connections.
The Switch Timer does not turn light ON or OFF when pressing on the Dial.	Make sure the controlled light bulb(s) is tight in its socket and is not burned out.
	Check the wiring for any loose connections.
	Check for a burned out fuse or circuit breaker.
The Switch Timer is warm to the touch.	Some warmth is normal. Be sure the combined light bulb wattage does not exceed 500 watts.
The controlled light flickers or goes to half brightness.	Recheck the wiring.