

Troubleshooting Guide

Observed Problem	Possible Cause	What to Do
Switch timer does not switch ON/OFF but display looks normal.	Switch timer is not set in AUTO, RANDom, or MANual mode.	Press MODE to select the operational mode you want to use.
Switch timer won't enter AUTO or RANDom mode when you press MODE .	The time of day or timer settings have not been set.	Make sure the time of day and at least one scheduled activity have been set.
Switch timer switches at incorrect times or skips some of the programmed times.	Programmed schedule(s) are incorrect.	Press ON/OFF to review the settings and revise them as necessary. See instructions at the left.
	Switch timer is in RANDom mode, which varies switching times up to ±20 minutes (to give your home a "lived-in" look).	If you don't want to keep the switch timer in RANDom mode, press MODE to change to AUTO mode.
Switch timer switches at incorrect times or skips some of the programmed times.	The Astronomic and Specific switching times are in conflict. For example, you've set ON to DUSK and OFF at 8 pm, and due to seasonal changes, DUSK has advanced to 8:30 pm. <i>NOTE: Your switch timer automatically skips any conflicting ON event as summer approaches to prevent unwanted operation of lights or other controlled devices. See "What to Do" if you want to identify and remove conflicting settings.</i>	<ol style="list-style-type: none"> Complete the steps for setting the Time and Date, then temporarily change the date to June 21st. Review the DAWN and DUSK settings by pushing the ON/OFF button. Make sure the specific ON or OFF time settings won't interfere with these DAWN and DUSK times. Make changes as necessary. When finished, change the Date setting back to today's date.
The lights or controlled devices don't match the programmed ON/OFF status immediately after setting the time or programming a schedule.	Switch timer does not "catch up" automatically to the programmed load state. The status of the switch timer will remain as is until it comes to the next programmed ON/OFF time.	After entering your schedules or the time, then returning to the AUTO mode, push the ON/OFF button to change the load state if necessary.
Load only operates when the remote (3-way) switch is in one position, or the switch timer ignores the remote switch.	The remote switch is wired incorrectly.	Recheck the wiring, especially for the jumper, according to "If a 3-way Switch Timer" and "If a Multiple Switch Timer Setup."
The switch timer ignores a 3-way remote switch even though it is wired correctly.	There is an excessive length of wire (more than 100 feet), or there is buried wire to the switch.	Eliminate the condition: either replace the buried cable, do without the remote switch, or contact Intermatic Customer Service for more options.
	The remote switch is not functioning properly or worn out.	Replace the remote switch.
The load turns off immediately after being turned on.	<ul style="list-style-type: none"> The remote switch or switch timer is wired wrong. There is an excessive length of wire (greater than 100 feet) There is buried wire to the remote switch. The switch timer is not functioning properly. 	If the problem persists with the switch timer's red wire disconnected or with a remote switch temporarily connected right at the switch timer, replace the non-functioning switch timer. Otherwise, try the above suggestions.
	<ul style="list-style-type: none"> Battery is not seated in the tray. The tray is misaligned. The contact tabs of the tray are bent. 	Seat the battery in the tray, then reinstall.
The switch timer operation is sluggish or not switching ON/OFF at all.	Though the "BATT" message is not being displayed, the battery is getting weak.	Replace the battery. To test the battery, press the ON/OFF button. The timer should "click."
Timer shows ON but the light or other controlled device is OFF.	The light or controlled device itself may be switched OFF.	Make sure the light or controlled device is switched ON and plugged in.

LIMITED ONE-YEAR WARRANTY

If within one (1) year from the date of purchase, 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.

INTERMATIC INCORPORATED WILL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES. ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY MODIFIED TO EXIST ONLY AS CONTAINED IN THIS LIMITED WARRANTY, AND SHALL BE OF THE SAME DURATION AS THE WARRANTY PERIOD STATED ABOVE. SOME STATES DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

This warranty service is available by either (a) returning the product to the dealer from whom the unit was purchased, or (b) mailing the product, along with proof of purchase, postage prepaid to the authorized service center listed below. This warranty is made by: Intermatic Incorporated/After Sales Service/7777 Winn Rd., Spring Grove, Illinois 60081-9698/815-675-7000 <http://www.intermatic.com> Please be sure to wrap the product securely to avoid shipping damage.

INTERMATIC INCORPORATED
SPRING GROVE, ILLINOIS 60081-9698

158ST13133

INTERMATIC® Self-Adjusting Wall Switch Timer

MODEL ST01 Series Installation and User Instructions

Ratings

- Resistive (heater) 15 Amp, 120-277 VAC
- Tungsten (incandescent) 15 Amp @ 120 VAC, 6 Amp @ 208-277 VAC
- Ballast (fluorescent) 8 Amp @ 120 VAC, 4 Amp @ 208-277 VAC
- Motors 1 H.P. @ 120 VAC, 2 H.P. @ 240 VAC
- DC Loads 4 Amp @ 12 VDC, 2 Amp @ 28 VDC

WARNING

- Electrical shock hazard. Risk of injury or death. Remove electrical power at service panel before installing.**
- Risk of fire or burns from used battery. Do not recharge, disassemble, heat above 100° C, crush, or incinerate the lithium battery. Keep battery out of reach of children. Replace only with Panasonic type CR2 or equivalent CR2 battery approved by Underwriters Laboratories (UL). Use of a different battery type may present a risk of fire or explosion upon disposal of battery.**
- Risk of fire. Do not use timer to control devices that could have dangerous consequences due to inaccurate timing, such as sun lamps, sauna, heaters, crock pots, etc.**

NOTICE

- Follow local electrical codes during installation.
- Risk of timer damage due to leakage if weak battery is not replaced promptly.
- Dispose of used battery promptly per local regulations.

1 – Before Installing Switch Timer, Install and Check Battery

Before installing the switch timer into the wall, make sure the supplied battery is installed and working.

- Open the access door to reveal the battery tray, located below the ON/OFF keypad.
 - If there is a pull tab at the battery tray, remove the tab to connect the installed battery. Make sure battery tray is pushed fully into place. Proceed to Step 6.
 - If the battery was supplied loose, use a flat screwdriver to pry loose the battery tray.
 - Place the supplied "CR2" battery into the tray, observing + and - markings on tray.
 - Replace the battery tray into the switch timer.
 - The display will initialize itself then flash "12:00 AM" in MANual mode.
 - Press the **ON/OFF** button. The switch timer should "click."
- NOTE: If display doesn't flash "12:00 am", the battery may be dead. Replace the battery before installing the switch timer.*

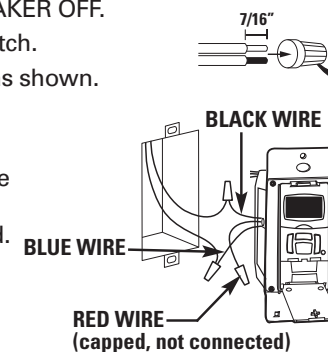
2 – Install the Switch Timer

- Turn off power at the service panel by REMOVING FUSE or TURNING THE CIRCUIT BREAKER OFF.
- Remove the existing wall switch.
- Trim building wires to 7/16" as shown.

If a Single Switch Setup:

- Connect one of the two wires from the wall to the black wire from the switch timer, using the twist connectors provided.
- Connect the other wire from the wall to the blue wire from the switch timer, using the twist connectors provided.

NOTE: The RED wire is not used in single-switch installations. Cap with a twist connector.

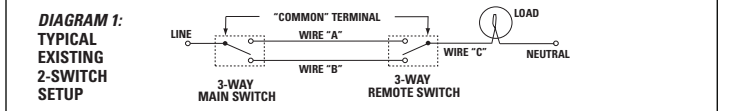
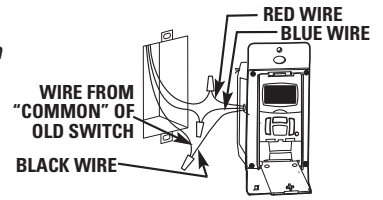


- Connect the GREEN wire to the grounding screw in the box. If a plastic box, connect to ground as supplied.
- Make sure all twist connectors are tight.

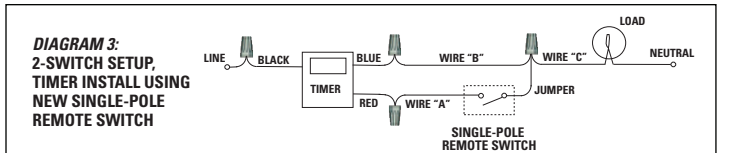
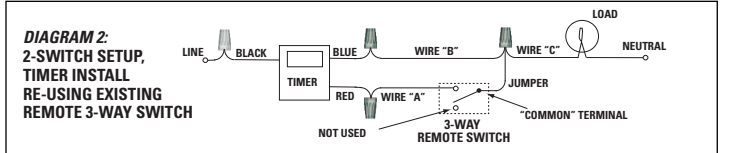
If a 3-Way Switch Setup:

NOTE: The distance between switch timer and remote switch must not exceed 100 feet.

- Locate the COMMON wire connected to first old switch. It might be attached to a different colored screw, or find markings on old switch.
- Connect BLACK wire from switch timer to COMMON wire, using a twist connector.
- Connect the other two wires from the old switch to the Blue and RED wires from the switch timer.
- Connect the GREEN wire to the grounding screw in the box. If a plastic box, connect to ground as supplied.
- Using diagram #1 below. Identify and remove wire "C" from the "Common" terminal of your existing remote switch.



- Using diagram #2 below, remove and reconnect wires "B" and "C" to the "Common" terminal of your remote switch, using the supplied piece of jumper wire, if necessary. Follow diagram #3 below, if using a new single-pole remote switch.



NOTE: For new construction or to replace a dimmer switch, a lighted switch, or a 3-way switch without screw terminals, a single-pole switch can be used at the remote location, as shown.

NOTE: If the building's wiring colors don't allow you to tell wire "A" from "B," just pick one of the two wires and connect as if it is wire "B." After the installation is complete, if the controlled light or device will not turn on properly, simply reverse wires "A" and "B." See Steps J and K for how to check.

- Tuck wires into the timer wall box leaving room for the timer.
- Using screws provided, mount the switch timer into the wall box, then install the wall plate.
- Install the remote 3-way switch in its box and install wall plate. Turn the power back on at the service panel.
- Make sure the switch timer displays "MAN" mode. Do the following test with the remote switch in each of its 2 positions: Press the **ON/OFF** button on the switch timer several times. Each time that you push the **ON/OFF** button, the switch timer should "click" and the controlled light or device (the "load") should turn on or off. If so, proceed to Step K.
 - If the timer clicks but the load does not operate, re-check your wiring and make sure the load is functional.

