

DCRinnovations Ltd.

TIMER5030

-No Touch Switch, Light Switch



Technical Specifications and User Manual

TIMER5030 options include -
Auto Turn Off after 50 Minutes,
Auto Turn Off after 30 Minutes,
or fully manual On / Off operation.



Warning



The TIMER5030 does **NOT** employ an air gap disconnect. Hazardous voltage is always present even when the switch is in the OFF state. To be Safe – disable the circuit breaker (fuse) at the electrical panel when installing the switch or replacing any light bulbs.

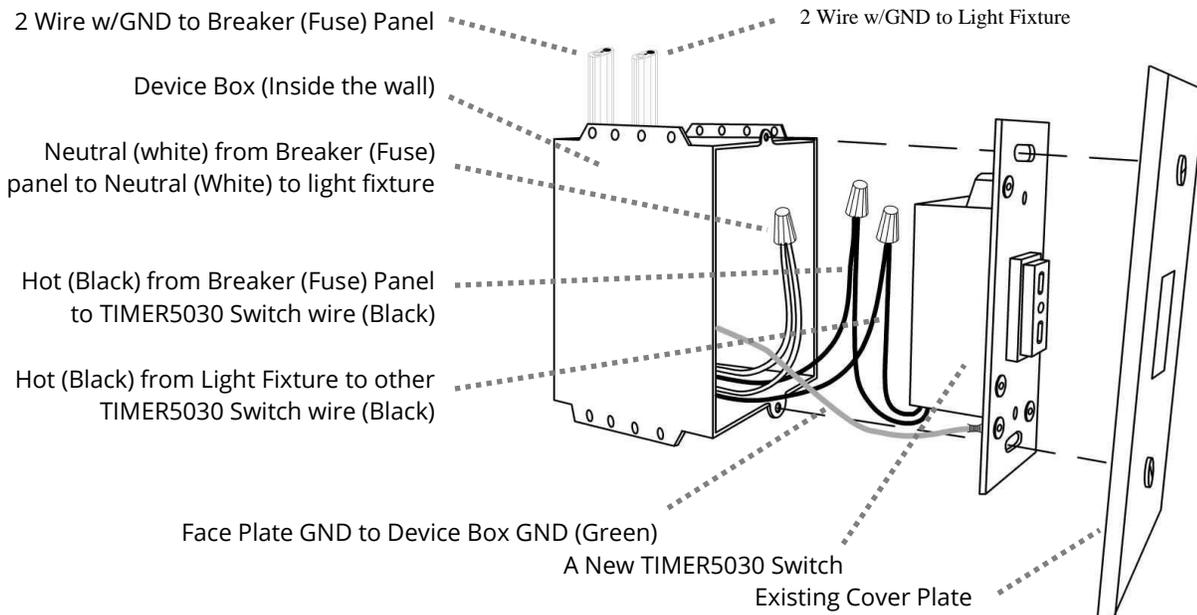
Warning



The TIMER5030 must be connected in series with a load and that load must be rated for 120 Volts AC. Direct connection of the TIMER5030 across the Hot and Neutral leads from the Breaker (Fuse) panel will destroy the TIMER5030.

Have a qualified person (Electrician) connect the switch leads in series with the load. Follow all local wiring regulations and ensure the device box is properly grounded.

Installation Always disable the Breaker (Fuse) when installing or working on the No Touch Switch.



Operation

- The switch is ready to work a few seconds after the circuit breaker (fuse) is turned on. The yellow LED will glow dimly when the switch is OFF indicating it is ready to operate.
- Move a hand (or almost any other object) within an inch (2.5cm) of the switch to turn it ON or OFF.
- There is a two second **ignore** period that occurs every time the switch changes from ON to OFF or OFF to ON so that it doesn't turn on and off again before you move your hand out of the way.
- The Yellow LED will automatically dim when the room is dark and return to normal brightness when the ambient light increases.

Power Failure

- When the power fails, the switch will remember if it was ON or OFF and return to that state when the power is restored. If a switch's timer was running, it will remember that the timer was running when the power failed. When the power is restored the switch will continue its countdown from where it left off when the power failed.

Enable the Timer

- 1) Start with the switch in an OFF state.
- 2) Move your hand (or other object) within 1 inch (2.5 cm) of the Yellow LED and keep it there. (The switch will turn ON then OFF about every two seconds.)
- 3) Count the number of times the switch turns ON.
- 4) Move your hand away after the third (3rd) time the switch turns ON for a 30 minute timer
OR Move your hand away after the fifth (5th) time the switch turns ON for a 50 minute timer
NOTE: A four count will set the timer for 30 Minutes
- 5) The timer is now set and will start its countdown every time the switch is turned ON.

The Flashing Yellow LED (Light Emitting Diode)

- The Yellow LED on the front of the switch will flash every time the switch is turned ON if the timer has been enabled.
- Five flashes indicate the switch will turn itself OFF in 50 minutes.
- Three flashes mean it will turn OFF after 30 minutes.
- No flashes mean the Timer has been disabled and the switch will stay ON till you turn it OFF.
- The timer will restart its count every time the switch is turned ON.

Disable the Timer

- The process to "Disable the Timer" is the same as "Enable the Timer" except for the number of times the switch must turn ON.

- 1) Start with the switch in an OFF state.
- 2) Hold your hand (or other object) within 1 inch (2.5 cm) of the Yellow LED and keep it there. (The switch will turn ON then OFF about every two seconds.)
- 3) Count the number of times the switch turns ON.
- 4) Timer Operation will be disabled when the switch turns ON for the sixth (6th) time in a row.
NOTE: Any number greater than 5 will cause the switch to clear its timer setting.
- 5) Take your hand away.
- 6) Now the switch will only turn ON and turn OFF when it detects your hand (or other object) within 1 inch (2.5 cm) of the yellow LED.

The Yellow LED is OFF and so is the Light (Time to replace the bulb)

- The light bulb is burnt out.
- Locate the circuit breaker (fuse) for the burnt out light. Turn the circuit breaker (fuse) OFF. This is needed to ensure your safety when changing the bulb.

- Replace the bulb with a new one.
- Turn the circuit breaker (fuse) back ON. The Yellow LED on the front of the No Touch Switch will again glow when the switch is OFF.

Cleaning

- **Never** spray cleaning solution or water on the No Touch Switch. If cleaning is required use a dry cloth to wipe the surface. Remember, this will cause the switch to toggle ON and OFF so be quick or the timer settings may be changed.

Specification

Not for use in combination with other switches or switch types

Indoor use only

Voltage	105 to 135 VAC, 60 Hz
Operating Temperature	Minus 10° to Plus 40° Celsius (14° to 104° Fahrenheit)
Minimum Load Required	10 Watts
Maximum Load Allowed	400 Watts, Total of All Loads Connected, 3.3 Amps or, 1/10 HP.
Humidity	Non-Condensing
Possible Load Types	Compact Florescent Lights (CFLs) Incandescent Bulbs Bathroom Fan LED Bulbs Florescent Lights

(In any combination up to the maximum load allowed)



Patents

US 7,973,589, US 8,063,790, CN 2,701,593, CN 2,701,427

Warranty

- All No Touch Switches are warranted against defects for a period of one year from the date of purchase and will be replaced free of charge pending an examination of the failed unit.
- Failures due to connection of excessively high loads (more than 400 watts) leave very distinct markings as does a direct connection across the Hot and Neutral power leads without any load at all. Any such markings, indications or recorded failure codes on the switch microcontroller will void a warranty replacement.
- There are no user-serviceable parts in the No Touch Switch. Removal of the cover exposes hazardous voltages and should not be attempted under any circumstances. Any evidence of the cover being removed or tampering /modifications to the internal circuitry will void a warranty replacement.