Project:

Location:

Product Type:

Contact/Phone:

Model #:

T50000 Series
Timing Control Centers

The T50000 Series Timing Control Centers with carryover provide photo control initiated/time switch terminated control. These switches provide a different ON/OFF program each day of the week. They are recommended for applications where the user needs to turn a load ON at dusk and OFF at a preset time.

Features

- Provide control for 2 or 3 circuits
- Carryover of up to 16 hours to maintain accurate load control in the event of power failure
- Carryover automatically rewinds when power resumes
- One hour of rewinding time for every two hours of power outage
- Light level adjustment is provided on the photo control
- Designed to control mechanically held contactor coil circuit only
- Manual circuit bypass switches
- Independent clock motor terminals

Ratings

Enclosure:	Type 1
Knockouts:	Combination ½" - ¾" nominal knockouts, two on back and one on side, and two on bottom. One inch on bottom
Switch Type:	Single Pole Double Throw
Switch Rating:	15 Amp, ½ HP, 125/250 VAC 420 VA Pilot Duty; 150 W Tungsten, 125 VAC (May also be used with 24 Volt systems if wired in accordance with National Electrical Code regulations)
Power Input:	5 Watts Maximum
Clock Motor and Photo Control:	120 VAC, 60 Hz
Operating Temperature:	-40°F to 130°F (-40ºC to 54ºC)
Shipping Weight:	10 lbs. (4.5 kg)
Warranty:	Limited 1 year

T51211BC

T51311BC

Model Number	Switch Type	Description
T51211BC	SPDT	Circuit A – Sunset, Photo Control ON – Preset Time Switch OFF
		Circuit B – Sunset, Photo Control ON – Sunrise, Photo Control OFF
T51311BC	SPDT	Circuit A – Sunset, Photo Control ON – Preset Time Switch OFF
		Circuit B – Sunset, Photo Control ON – Sunrise, Photo Control OFF
		Circuit C – Preset Time Switch ON – Preset Time Switch OFF

T50000 Series

Specification

The time switch shall be a 7-Day dial type that will provide a photo control to turn loads ON/OFF. The time switch shall turn loads ON/OFF for _____(2 Circuits)(3 Circuits) on a 7-Day schedule. The time switch shall be powered by a 125 VAC, 60 Hz power supply. The time switch shall have a synchronous motor designed to withstand a minimum of 6000 volt transients. The time switch motor shall be connected to the terminal strip with ring-type connectors and shall not require more than 5 watts to operate. The time switch mechanism shall be mounted in a Type 1 lockable steel enclosure painted with an electrostatic process to eliminate the potential for corrosion. The enclosure shall provide a non-removable cover, which shall swing open a full 180 degrees. The time switch shall provide a manual override for each circuit. The time switch shall provide separate terminals for clock motor for switching circuits not on line voltage. The time switch shall be designed to operate mechanically held contactors and shall have a switch rating of:

- 15 Amp, ½ HP, 125/250 VAC
- 420 VA Pilot Dut
- 150 Watts Tungsten, 125 VAC

The time switch shall contain a spring-wound carryover and shall maintain time control on schedule during power failure for up to 16 hours. The carryover shall automatically rewind upon power resumption. The time switch shall also provide a terminal for connection of a 150 Watt load for direct photo control. The photo control shall have a light level adjustment and shall be sonically welded in weatherproof polymeric housing. The time switch shall have independent clock terminals, which may also be used with 24 Volt systems if wired in accordance with National Electrical Code regulations. The time switch shall be agency listed under Clock Operated Switches and shall be Intermatic model _____(See Model Numbers Listed).

Diagrams