



SunTracker™

<http://waterheatertimer.org/Paragon-timers-and-manuals.html>

TRADITIONAL TIME PIECES

When dusk-to-dawn lighting control is a requirement, Paragon's EC365DST Series is the perfect solution. Originally patented by Paragon, the SunTracker™ electronically calculates the exact sunrise and sunset time for any day, anywhere in the world. This easily-installed load controller has no actual programming buttons, making it tamper-resistant. The user-friendly, 5-key, hand-held programmer can be accessed by authorized personnel, thereby securing the control programs.

FEATURES & BENEFITS:

- ▶ 7-Day Carryover, unique to Paragon, protects scheduled events from power interruptions via a capacitor—more reliable than batteries.
- ▶ Skip-A-Day feature allows regular programming to be skipped for any day(s) of the week, for maximum flexibility.
- ▶ Coated circuit board ensures added protection from moisture, dirt and insects.
- ▶ Electrical noise suppression enhances control's reliability.
- ▶ Hand held programmer allows fast, consistent program installation and adjustment.
- ▶ Daylight savings time adjusted.
- ▶ UL and CSA listed means quality and durability are built into every time control.
- ▶ Y2K compatible.
- ▶ Title 24 certified.



WHY ▶ *Specify Paragon*

Since 1903, Paragon has been the leader in time and process control technology. As inventor of the 24-hour time switch, Paragon's heritage of patents, unparalleled quality and solutions-driven innovations have made us one of the most recognized names in time control products.

EC365DST SERIES



PHYSICAL

EC365/DST Series

Case
NEMA 3R Non-metallic enclosure with lockable hasp.
Weight Approximately 2 lbs.
Dimensions
Width 6-1.2", Height 9",
Depth 3-7/8"

EC365HPDST Hand Held Programmer

Weight Approximately 16 oz.
Dimensions
Width 4", Height 5", Depth 2"

ENVIRONMENTAL

Operating Temperature -40°F to 140°F
Operating Humidity 0-95% non-condensing
The control is mounted in an indoor/outdoor NEMA 3R enclosure to resist moisture, dirt, insects, salt and other corrosive elements. The enclosure can be panel mounted.

HOW TO SPECIFY

Installer shall furnish and install Paragon SunTracker™ II 365-Day Electronic Lighting Controller with (SPST, DPST) contacts. Contacts to be rated at (30 amperes resistive per pole up to 120 Vac or 40 amperes resistive per pole up to 277 Vac). Control shall provide 7 days of power outage carry-over without a battery. The one-channel control shall have 24-hour programming capability and Astro Dial feature to provide automatic tracking of sunrise and sunset times in order to automatically turn lights ON at dusk and OFF at dawn. Control shall provide one additional ON and OFF event as well as selectable daylight savings time adjustment and automatic leap year correction. Control shall have Skip-A-Day, offset to sunrise and/or sunset and manual override. Control shall have adjustable latitude from 10° to 70° northern or southern hemisphere. Control shall have NEMA 3R non-metallic enclosure, with provision for preventing unauthorized access. The control shall be programmed via a hand held programmer.

ELECTRICAL SPECIFICATIONS

Model No.	Contact Configuration	Input Voltage
EC365/DST1/120V	SPST	120V
EC365/DST2/120V	DPST	120V
EC365/DST2/277V	DPST	277V
EC365/HPST	N/A	9V Battery operated

Frequency 60 Hz
Power Consumption 4VA Max.
UL Listed, CSA Certified, and complies with FCC rules.
Output Switch Rating
EC365/DST1 30 amp resistive or inductive at 120 Vac
6 amp Ballast
EC365/DST2/ 40 amp resistive or inductive at 120-277 Vac
(120 & 277V) 20 amp ballast at 120-277 Vac
Isolated contacts (switching contacts separate from timer power supply)

Power Outage Carry-over
The program and time of day are maintained during a power outage for a minimum of 7 days. A built in capacitor eliminates the inconvenience of battery replacement.

TYPICAL WIRING DIAGRAMS

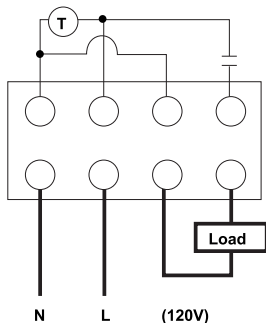


Diagram 1 — SPST

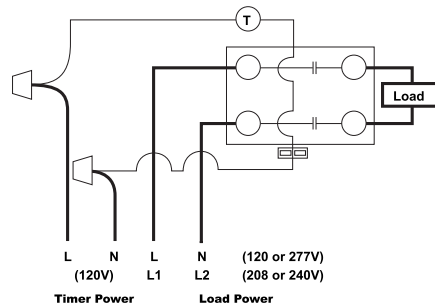


Diagram 2 — DPST, 120V input only

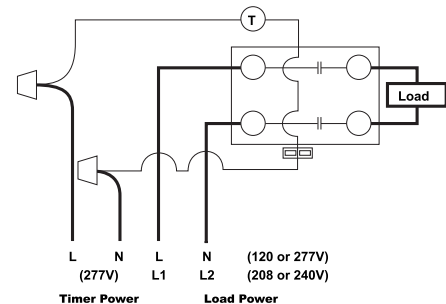


Diagram 3 — DPST, 277V input only

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