



7-Day Electronic Astronomic Time Switches

ET8000 Series 7-Day Astronomic Time Switch (Tracks Sunrise & Sunset)

Intermatic's Electronic Astronomic 7-Day Time Switch automatically switches loads according to a preset weekly schedule with to-the-minute accuracy. The astronomic feature provides sunset ON and sunrise OFF settings to eliminate the need for separate photo control devices. The independent 7-day programming provides complete flexibility for applications where load switching differs each day of the week. Astronomic programming can be combined with independent programs to provide a sunset ON and timed OFF program.

Specifications

Case Options – Standard: NEMA 1 Grey Painted Drawn Steel; 'R' Option: NEMA 3R Grey Painted Drawn Steel; 'PD82' Option: NEMA 3R Grey High-Impact UV Resistant Polycarbonate Plastic with Clear Cover

Note: The electronic mechanism snaps into the standard Intermatic time switch case, replacing mechanical mechanisms, if desired.

Knockouts – Combination 1/2"-3/4" nominal knockouts, one on back and each side of case and two on bottom.

Optional Enclosures – See Time Switch Cases for optional enclosures.

Special Voltages and Cycles – ALL models 50 or 60 Hz.

Switch Rating – 30 Amp Inductive/Resistive, 24 / 120 / 240 / 277 VAC 60 Hz; 20 Amp Resistive, 28 VDC; 1 HP 120 VAC 60 Hz; 2 HP 240 VAC 60 Hz; 5 Amp Tungsten, 120 / 240 / VAC 60 Hz; 20 Amp ballast, 120-277 VAC 60 Hz. ET100C same ratings for 120 Volt loads only. ET1115 models normally closed contact ratings: 10A Resistive/General purpose, 12 - 277VAC; 10A Resistive/General purpose, 28VDC; 3A Ballast, 120 - 277VAC; 1/4 HP, 120 VAC; 1/2 HP, 240 VAC; 30 LRA; 12 FLA; 275 VA pilot duty, 120 - 240 VAC

Pulse Feature – 2-Circuit models feature 2-Second pulse option for contactor and bell ringing applications.

Auto DST – Automatic Adjustment for Daylight Saving Time (DST)

Carry-over – Field replaceable "AAA" batteries maintain program and accurate time keeping for 3 years minimum. Up front replacement does not require removal of mechanism.

Wiring Terminals – #18 to #10 AWG wire.

Minimum ON/OFF Times – 1 minute.

Maximum ON/OFF Times – 6 days 23 hours 59 minutes.

Engineering Specification

7 Day Electronic Time Switch

The time switch shall be a solid state electronic control capable of permitting 28 ON/OFF set points per circuit to be distributed on a weekly or daily schedule with 1 astro ON and 1 astro OFF set point per circuit. The time and set points shall be programmable to the nearest minute with a minimum ON duration of 1 minute and a maximum ON duration of 6 days, 23 hours and 59 minutes. The timer shall have a digital LCD readout to show time-of-day using 12 hour AM/PM indicator. The time switch shall provide for automatic adjustment for Daylight Saving Time (DST). The time switch shall provide a manual override control for both temporary and permanent override. Time switch shall operate over a temperature range of -40°F (-40°C) to 155°F (68°C).

Industrial grade AAA alkaline batteries shall carryover time-of-day and date for a minimum of 3 years. Program data shall be stored in non-volatile memory. Switch configuration to be _____ (SPST), (DPST) or (SPDT) with an agency listed rating of: 30 amp Inductive/Resistive, 24/120/240 Volts AC, 60 Hz; 20 amps Resistive, 28 VDC; 1 HP, 120 Volts AC, 60 Hz; 2 HP, 240 Volts AC, 60 Hz; 5 amps Tungsten, 120/240 Volts AC, 60 Hz; 20 amps Ballast, 120-277 Volts AC, 60 Hz. The time switch shall be powered by a 120-277 volts 50/60 Hz source. The time switch shall be enclosed in a lockable _____ (NEMA 1) or (NEMA 3R) rated enclosure.

The time switch shall be listed under UL category 916 Energy Management Equipment and shall be INTERMATIC Model _____ (ET1705C/CR/CPD82), (ET1715C/CR/CPD82), or (ET1725C/CR/CPD82).

Model#	Circuits	Switch	Clock Voltage	Amp Rating	HP Rating	Enclosure
ET8015C	1	SPST	120/208/240/277	30	1HP / 2HP	NEMA1
ET8015CPD82 ¹	1	SPST	120/208/240/277	30	1HP / 2HP	NEMA3R
ET8015CR	1	SPST	120/208/240/277	30	1HP / 2HP	NEMA3R
ET8115C	1	SPDT	120/208/240/277	10/30	1HP / 2HP	NEMA1
ET8115CPD82 ¹	1	SPDT	120/208/240/277	10/30	1HP / 2HP	NEMA3R
ET8115CR	1	SPDT	120/208/240/277	10/30	1HP / 2HP	NEMA3R
ET8215C ²	2	SPST	120/208/240/277	30	1HP / 2HP	NEMA1
ET8215CPD82 ^{1,2}	2	SPST	120/208/240/277	30	1HP / 2HP	NEMA3R
ET8215CR ²	2	SPST	120/208/240/277	30	1HP / 2HP	NEMA3R

¹ CPD82 Models feature NEMA 3R high impact polycarbonate plastic case with clear cover for easy viewing of time switch mode and current status.

² ET8215 Models feature contacts that can be field configured to act as two independently operated SPST, one simultaneous operated DPST, or independently pulsed SPST for contactor and bell ringing applications.

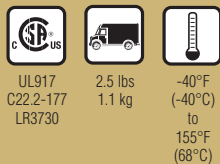


✓ Auto Daylight Saving Time Adjustment

✓ Multi-Volt 120, 208, 240 & 277 VAC

✓ Pulsed Contact Feature

✓ California Title 24 Approved



CPD82

NEMA 3R with clear cover