

# Electronic Time Switches

## ET1100 Series, ET1700 Series & ET8000 Series

### PRODUCT FEATURES

- Automatic Daylight Saving Time adjustment
- Astronomic models provide sunset ON and sunrise OFF settings to eliminate the need for separate photo control devices
- Astronomic programming can be combined with independent programs to provide sunset ON and timed OFF settings.
- ET8215, ET1725 and ET1125 models include multiple switching configurations – simultaneous, pulse, and independent. Simultaneous switching creates a DPST configuration typically used to drive a 240 VAC load with 120 VAC inputs. Pulse switching is to control latching contactors or for bell ringing applications. Independent switching is for normal operation in all other applications.

### APPLICATIONS

- Schools
- Offices
- Airports
- Stores
- Hotels
- Restaurants
- Parks
- Apartments

### FOR CONTROLLING

- Water Heaters
- Parking Lot Lighting
- Commercial Ovens
- Interior Lighting
- Air Conditioners
- Fans/Blowers/Pumps
- Livestock Feeders
- Poultry Equipment

### SPECIFICATIONS

#### Switch Ratings (per pole):

- Resistive: 30A, 120/240 VAC 20A, 28 VDC
  - Inductive: 30A, 120/240 VAC
  - Ballast: 20A, 120-277 VAC
  - Tungsten: 5A, 120/240 VAC
  - Motor: 1 HP, 120 VAC 2 HP, 120 VAC
- For **ET1115, ET1715 & ET8115**
- Resistive: 20A (N.O.), 10A (N.C.), 120/240 VAC
  - Inductive: 20A (N.O.), 10A (N.C.), 120/240 VAC
  - Tungsten: 5A (N.O.), 120/240 VAC
  - Ballast: 20A (N.O.), 120-277 VAC 3A (N.C.), 120-277 VAC
  - Motor: 1 HP (N.O.), 120 VAC ¼ HP (N.C.), 120 VAC
  - Motor: 2 HP (N.O.), 240 VAC ½ HP (N.C.), 240 VAC

**Indoor Case:** Type 1 steel; 7 ¾" (19.7 cm) H, 5" (12.7 cm) W, 3" (7.6 cm) D; gray finish with lockable spring hasp. Add "C" suffix.

**Indoor/Outdoor Case:** Type 3R enclosure, steel; 9 ⅝" (23.8 cm) H, 5 ½" (14.0 cm) W, 3 ⅝" (9.2 cm) D; gray finish with lockable spring hasp. Add "CR" Suffix.

**Indoor/Outdoor Case:** Type 3R enclosure, plastic; 9 ⅝" (23.8 cm) H, 5 ½" (14.0 cm) W, 3 ¾" (9.5 cm) D; gray finish with lockable spring hasp and clear cover. Add "CPD82" suffix.

**CPD82 Models:** Type 3R high impact polycarbonate plastic case with clear cover for easy viewing of time switch mode and current status.

**ET1125, ET1725, 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.

**Setpoints (Events):** Each load output can support up to 14 timed ON and 14 timed OFF events per day.

**Carryover:** Two AAA industrial grade alkaline batteries supplied to maintain accurate timekeeping for 3 years, minimum, in the event of power loss.

**Non-Volatile Memory:** Programming data maintained for life

**Temperature Range:** -40°F (-40°C) to 155°F (68°C)

**Special Voltages and Cycles:** All models 50 or 60 Hz

**Min. ON/OFF Time** (All models): 1 minute

**Max. ON/OFF Time** (ET8000 & ET1700): 6 days 23 hours 59 minutes

**Max. ON/OFF Time** (ET1100): 23 hours 59 minutes

**Wire Size:** AWG #10 through #18

**Knockouts:** Combination ½" - ¾" (one on back, one on each side, and two on bottom)

**Shipping Weight:** 2.5 lbs. (1.1 kg)

**Agency Listing:**  CEC Title 24 Listed

### ET1100 Series 24-Hour Electronic Time Switch

Upgrading to a 24-Hour electronic time switch has never been easier with the ET1100 Series. Features include: Automatic Daylight Saving Time adjustment, multi-voltage operation from 120 to 277 VAC, and to-the-minute programming for accurate load control and reduced energy costs. Up to 28 setpoints or events (14 ON/14 OFF) can be preset to automatically repeat on a daily basis. Programming can be overridden at any time by pressing the ON/OFF button(s) on the clock face. Two industrial grade AAA alkaline batteries provide 3 years, minimum, program and timing protection.



ET1105C

### ET1700 Series 7-Day Electronic Time Switch

Upgrading to a 7-Day electronic time switch has never been easier with the ET1700 Series. Features include: Automatic Daylight Saving Time adjustment, multi-voltage operation from 120 to 277 VAC, and to-the-minute programming for accurate load control and reduced energy costs. Up to 28 setpoints or events (14 ON/14 OFF) can be distributed throughout the days of the week. Programming can be overridden at any time by pressing the ON/OFF button(s) on the clock face. Two industrial grade AAA alkaline batteries provide 3 years, minimum, program and timing protection.



ET1715CPD82

### ET8000 Series 7-Day Electronic Astronomic Time Switch

Intermatic's ET8000 Series features include: Automatic Daylight Saving Time adjustment, multi-voltage operation from 120 to 277 VAC, and to-the-minute programming for accurate load control and reduced energy costs, up to 28 setpoints or events (14 ON/14 OFF), and independent 7-Day programming. The ET8000 Series provides complete flexibility for applications where load switching differs each day. The astronomic feature provides sunset ON and sunrise OFF settings to eliminate the need for separate photo control devices. Astronomic programming can also be combined with independent programs for sunset ON and timed OFF settings. Programming can be manually overridden at any time by pressing the ON/OFF button(s) on the clock face.



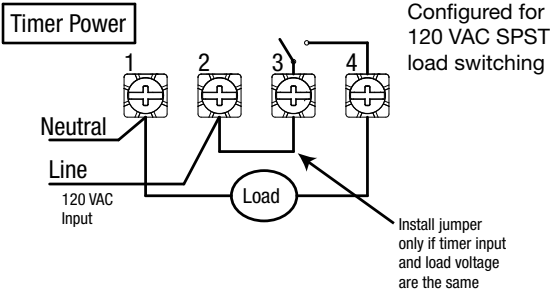
ET8215CR



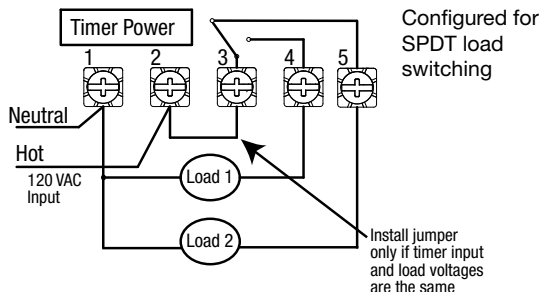


| Schedule            | Model #     | Enclosure       | Circuits | Switch | Amp Rating | Clock Voltage             |
|---------------------|-------------|-----------------|----------|--------|------------|---------------------------|
| 24-Hour             | ET1105C     | Type 1 Steel    | 1        | SPST   | 30         | 120 / 208 / 240 / 277 VAC |
|                     | ET1105CPD82 | Type 3R Plastic |          |        |            |                           |
|                     | ET1105CR    | Type 3R Steel   |          |        |            |                           |
|                     | ET1115C     | Type 1 Steel    |          | SPDT   | 20/10      |                           |
|                     | ET1115CPD82 | Type 3R Plastic |          |        |            |                           |
|                     | ET1115CR    | Type 3R Steel   |          |        |            |                           |
|                     | ET1125C     | Type 1 Steel    | 2        | SPST   | 30         | 120 / 208 / 240 / 277 VAC |
|                     | ET1125CPD82 | Type 3R Plastic |          |        |            |                           |
|                     | ET1125CR    | Type 3R Steel   |          |        |            |                           |
| 7-Day               | ET1705C     | Type 1 Steel    | 1        | SPST   | 30         | 120 / 208 / 240 / 277 VAC |
|                     | ET1705CPD82 | Type 3R Plastic |          |        |            |                           |
|                     | ET1705CR    | Type 3R Steel   |          |        |            |                           |
|                     | ET1715C     | Type 1 Steel    |          | SPDT   | 20/10      |                           |
|                     | ET1715CPD82 | Type 3R Plastic |          |        |            |                           |
|                     | ET1715CR    | Type 3R Steel   |          |        |            |                           |
|                     | ET1725C     | Type 1 Steel    | 2        | SPST   | 30         | 120 / 208 / 240 / 277 VAC |
|                     | ET1725CPD82 | Type 3R Plastic |          |        |            |                           |
|                     | ET1725CR    | Type 3R Steel   |          |        |            |                           |
| 7-Day<br>Astronomic | ET8015C     | Type 1 Steel    | 1        | SPST   | 30         | 120 / 208 / 240 / 277 VAC |
|                     | ET8015CPD82 | Type 3R Plastic |          |        |            |                           |
|                     | ET8015CR    | Type 3R Steel   |          |        |            |                           |
|                     | ET8115C     | Type 1 Steel    |          | SPDT   | 20/10      |                           |
|                     | ET8115CPD82 | Type 3R Plastic |          |        |            |                           |
|                     | ET8115CR    | Type 3R Steel   |          |        |            |                           |
|                     | ET8215C     | Type 1 Steel    | 2        | SPST   | 30         | 120 / 208 / 240 / 277 VAC |
|                     | ET8215CPD82 | Type 3R Plastic |          |        |            |                           |
|                     | ET8215CR    | Type 3R Steel   |          |        |            |                           |

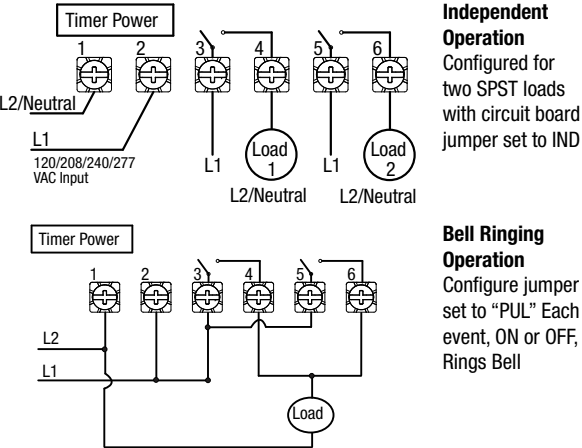
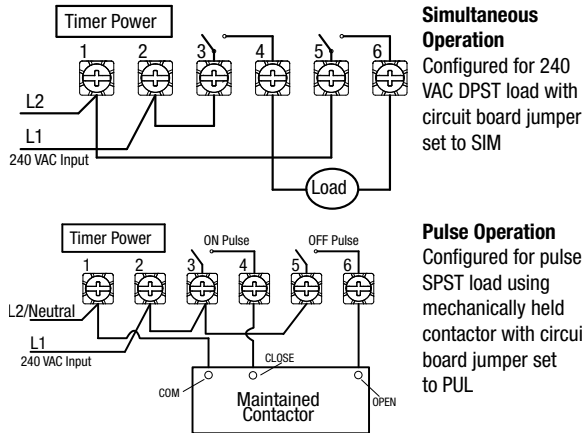
Wiring diagrams for ET1105C/CR/CPD82, ET1705C/CR/CPD82, ET8015C/CR/CPD82



Wiring diagrams for ET1115C/CR/CPD82, ET1715C/CR/CPD82, ET8115C/CR/CPD82



Wiring diagrams for ET1125C/CR/CPD82, ET1725C/CR/CPD82, ET8215C/CR/CPD82



# Electronic Time Switches

ET1100  
ET1700  
ET8000

