

# Next Generation Electronic Astronomic Time Switches



ET70115C



ET70215CR



ET70415CR

## ET70000 Series 365-Day Time Switch (1, 2, & 4 Circuit Models)

- To-the-minute programming for 7-day or full year load control
- Includes 7-day repeat feature for simplifying programming of identical set points
- 12/24 Hour clock format
- 1,000 + ON/OFF events, 99 holiday schedules
- Automatic Daylight Saving Time adjustment (Factory Enabled)
- Flexible load control is enhanced by Astro, Variable Pulse, and Interval options as required for outdoor lighting control, bell ringing, and after hour temporary override, respectively
- Non-volatile memory maintains all programmed switching times for the life of the time switch
- Manual override: Program can be overridden at any time by placing the load switch in the Disable position and pressing the ON/OFF button

### Specifications:

**Enclosure:** ET70115 & ET70215 Models: NEMA 1 – Drawn steel in gray finish

7¾ in. (19.7 cm) H x 5 in. (12.7 cm) W x 3 in. (7.6 cm) D

NEMA 3R – Drawn steel in gray finish

9¾ in. (23.8 cm) H x 5½ in. (14.0 cm) W x 3⅝ in. (9.0 cm) D

ET70415 Model: NEMA 3R – Heavy duty .047 in. 18 gauge steel in gray finish

12½ in. (31.7 cm) H x 8¼ in. (21.0 cm) W x 4 in. (10.2 cm) D

**ON/OFF Events:** 1,000+ Events

**Knockouts:** Combination ½ – ¾ in. nominal knockouts, one on back and each side of enclosure and two on bottom

**Optional Enclosures:** See page 46-47 for optional enclosures.

**Cycle:** Line voltage models 50 or 60 Hz; Low voltage models 60 Hz, 24 Volts

**Switch Rating:** Each Pole; 20 Amp Resistive/General Purpose, 12-277 VAC

**Normally Open (NO), Normally Closed (NC) contact ratings:**

20 Amp (NO), 10 Amp (NC) Resistive/General Purpose, 120, 240 VAC; 1 HP (NO), ½ HP (NC), 120 VAC; 2 HP (NO), ½ HP (NC), 240 VAC; 5 Amp Tungsten, 120, 240 VAC; 470 VA (NO), 275 VA (NC) Pilot Duty; 20 Amp (NO) 3 Amp (NC) Ballast, 120-277 VAC

**Battery Backup:** Non-volatile memory requires no backup. Time keeping and calendar data maintained within 0.01% accuracy for minimum of 8 years with one factory installed, field replaceable Lithium coin cell

**Wiring Terminals:** #18 to #10 AWG wire

**Minimum ON/OFF Times:** 1 minute

**Maximum ON/OFF Times:** 6 days 23 hours 59 minutes

**Shipping Weights:** ET70115C - 4.65 lbs (2.11 kg), ET70115CR - 5.55 lbs (2.52 kg),

ET70215C - 4.75 lbs (2.15 kg), ET70215CR - 5.85 lbs (2.65 kg),

ET70415CR - 10.01 lbs (4.54 kg)

Model #	Circuits	Switch	Clock Volts AC	Amp Rating	HP Rating	Enclosure
ET70115C	1	SPDT	120, 208, 240, 277	20	1 HP/2 HP	NEMA 1
ET70115CR	1	SPDT	120, 208, 240, 277	20	1 HP/2 HP	NEMA 3R
ET70215C <sub>1</sub>	2	SPDT	120, 208, 240, 277	20	1 HP/2 HP	NEMA 1
ET70215CR <sub>1</sub>	2	SPDT	120, 208, 240, 277	20	1 HP/2 HP	NEMA 3R
ET70215CR24 <sub>1</sub>	2	SPDT	24	20	1 HP/2 HP	NEMA 3R
ET70415CR <sub>1</sub>	4	SPDT	120, 208, 240, 277	20	1 HP/2 HP	NEMA 3R
ET70415CR24 <sub>1</sub>	4	SPDT	24	20	1 HP/2 HP	NEMA 3R

1 Multi-Circuit Models feature contacts that can be field configured to act as independently operated SPDT, or independently pulsed SPDT for contactor and bell ringing applications.

