



# 24-Hour Electronic Time Switches

## ET100 Series 24-Hour Time Switch (Same Operation Each Day)

These time switches provide the same dependable and uncomplicated performance as the T101 mechanical time switch...plus to-the-minute programming for accurate load control and reduced energy costs. Up to 8 set points or events (4 ON/4 OFF) can be preset to automatically repeat on a daily basis. The program can be overridden at any time by placing the selector switch in the Manual position. Two industrial grade "AA" Alkaline batteries provide 3 years minimum program and timing protection.

### Specifications

**Case** – NEMA 1 – Drawn steel 7-3/4" (19.7 cm) High, 5" (12.7 cm) Wide, 3" (7.6 cm) Deep in gray finish.

*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** – Except model ET100C. 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. Models ET105C 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

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

**Wiring Terminals** – #18 to #10 AWG wire.

**Minimum ON/OFF Times** – 1 minute.

**Maximum ON/OFF Times** – 23 hours 59 minutes.

### Engineering Specification

24 Hour Electronic Time Switch

The time switch shall be a solid state electronic control capable of permitting 8 ON/OFF set points to be distributed on a daily schedule. 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 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 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 AA alkaline batteries shall protect program information and carryover time-of-day for a minimum of 3 years. Switch configuration to be \_\_\_\_\_ (SPST) or (DPST) 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 volt), (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 agency listed under UL category 916 Energy Management Equipment and shall be INTERMATIC Model \_\_\_\_\_ (ET100C), (ET101C), (ET102C), (ET103C), (ET104C/CP) or (ET105C).

Model#	Circuits	Switch	Clock Voltage	Amp Rating	HP Rating	Enclosure
ET100C	1	SPST	120	30	1HP	NEMA1
ET100CM <sup>1</sup>	1	SPST	120	30	1HP	Mech.
ET101C	1	SPST	120	30	1HP / 2HP	NEMA1
ET102C	1	SPST	120/208/240/277	30	1HP / 2HP	NEMA1
ET103C	1	DPST	120	30	1HP / 2HP	NEMA1
ET104C	1	DPST	120/208/240/277	30	1HP / 2HP	NEMA1
ET104CP <sup>2</sup>	1	DPST	120/208/240/277	30	1HP / 2HP	NEMA3R
ET105C	1	SPDT	120	10/30	1HP / 2HP	NEMA1

<sup>1</sup>Mechanism only no case.

<sup>2</sup>NEMA 3R UV resistant polycarbonate plastic case.



### 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
- Process Equipment



UL917  
C22.2-177  
LR3730



2.5 lbs  
1.1 kg



-40°F  
(-40°C)  
to  
155°F  
(68°C)