

# Controls

## Timers

### Timer Switch Cases



#### Features:

- Made of heavy-duty industrial grade plastic
- Can be used where high humidity and dust is the problem
- Can be used with pool and spa equipment
- Non-corroding plastic case is useful in other high moisture areas such as car washes, industrial water spray areas
- NEMA 3R case, Five combination 1/2 - 3/4" nominal knockouts
- A hasp with a hole for lock holds, A bracket plus two holes

Part Number	Dimensions	Material	Description
2T2500GA(A)INT	9-3/8" x 5-1/2" x 3-3/4"	Plastic	Indoor / Outdoor Plastic Case

### Timer Switches

#### Electronic Time Switches - 24 Hour 8 Set Points



#### Features:

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

Part Number	Amp Rating	Circuits	HP Rating	Switch	Description
ET1105CINT	30	1	1 HP / 2 HP	SPST	120 Volt, Electronic 24 Hour Time Switch with Battery Carryover
ET104CINT	30	1	1 HP / 2 HP	DPST	120/208/240/277 Volt, Electronic 24 Hour Time Switch with Battery Carryover

#### Electronic Time Switches - 7 Day



#### Features:

- This electronic time switch provide to-the-minute programming for accurate load control and reduced energy costs
- Up to 20 set points or events (10 ON/10 OFF or any combination) can be preset to automatically repeat on a weekly or daily basis
- The program can be overridden at any time by placing the selector switch in the Manual position
- This time switch provide for true 7-day load control with up to 140 operations (70 ON/70 OFF or any combination) each week
- **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. Both types include permanently attached side hinged door with lockable hasp. Mounting holes and/or mounting bracket included, Separate grounding terminal
- **Knockouts** - Combination 1/2"-3/4" nominal knockouts, one on back and each side of case and two on bottom
- **Switch Rating** - 30 Amp Inductive/Resistive, 24 / 120 / 240 / 277 VAC 60 Hz; 20 Amp Resistive, 28 VDC; 1 HP 120 VA60 Hz; 2 HP 240 VAC 60 Hz; 5 Amp Tungsten, 120 / 240 / VAC 60 Hz; 20 Amp ballast, 120-277 VAC 60 Hz.
- **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
- **For Controlling:** Water Heaters, Parking Lot Lighting, Commercial Ovens, Interior Lighting, Air Conditioners Fans/Blowers/Pumps, Livestock Feeders, Poultry Equipment, Process Equipment

Part Number	Amp Rating	Circuits	HP Rating	Switch	Description
ET1705CINT	30	1	1 HP / 2 HP	SPST	120 Volt, 7-Day Electronic Time Switch

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### Timer Switches

#### Mechanical Time Switches - 24 Hour Dial



**Features:**

- Designed for industrial, commercial and residential applications
- Highest HP ratings in the industry for loads up to 40 amps, providing direct 24 hr. control of most loads
- Provides 1 to 12 "ON/OFF" operations each day with minimum ON/OFF times of 1 hour
- All models equipped with one "ON" and one "OFF" tripper
- **Case** - Drawn steel 7-3/4" (19.7 cm) H, 5" (12.7 cm) W, 3" (7.6 cm) D in gray finish. Spring hasp, with hole for lock, holds permanently attached, side hinged door closed. Three mounting holes on back plus handy box mounting holes
- **Knockouts** - Combination 1/2"-3/4" nominal knockouts, one on back and each side of case and two on bottom
- **Switch Rating** - Each Pole; 40 Amp Resistive, 120-480 VAC; 40 Amp Tungsten, inductive or 1000 VA pilot duty, 120-277 VAC; 2 HP (24 FLA) 120 VAC; 5 HP (28 FLA) 240 VAC single phase; 7-1/2 HP (28 FLA) 208 VAC three phase; 10 HP (28 FLA) 240 VAC three phase
- **Application:** Indoor/Outdoor Lighting, Signs, Filters, Air Conditioning, Electric Fences, Heating/Ventilating Systems, Fans, Conveyers

Part Number	Amp Rating	Clock Voltage	HP Rating	Switch	Description
T101INT	40 (Per Pole)	125 @ 60 Hz	2	SPST	24 Hour Dial Mechanical Time Switch
T101PCD82INT	40 (Per Pole)	125 @ 60 Hz	2	SPST	24 Hour Dial Mechanical Time Switch with See-Thru Cover
T103INT	40 (Per Pole)	125 @ 60 Hz	2	DPST	24 Hour Dial Mechanical Time Switch
T104INT	40 (Per Pole)	208-277 @ 60 Hz	5	DPST	24 Hour Dial Mechanical Time Switch

#### Mechanical Time Switches - 7 Day Dial with & without Carryover



**Features:**

- This time switch provide a different "ON/OFF" program each day of the week
- They also provide for 4 pole single throw and 4 pole (2NO/2NC) switching
- This series provides true 7-day load control with minimum ON and minimum OFF times of 3-1/2 hours
- The "BC" models with carryover provide a carryover of 16 hours minimum to maintain accurate load control even during power failure
- When power resumes, the carryover automatically rewinds itself
- Only 1 hour is required to rewind the carryover for each 2 hours of outage
- **Case** - Steel in gray finish 12-1/2" (31.7 cm) high, 8-1/4" (21.0 cm) wide, 4" (10.2 cm) deep. Indoor type with toggle action draws bolt and locking feature. Four mounting holes on back. Separate grounding terminal
- **Knockouts** - Combination 1/2"-3/4" nominal knockouts, two on back, one on each side and two on bottom. Also one 1" nominal on bottom center
- **Special Voltages and Cycles** - See Time Switch Motors for available motors. Contact factory for availability of time switch with 50 cycle or other voltages
- **Switch Rating** - Each Pole 40 amp resistive, 120-480 VAC; 40 amp tungsten, inductive or 1000 VA pilot duty, 120-277 VAC; 2 HP (24 FLA) 120 VAC; 5 HP (28 FLA) 240 VAC single phase; 7-1/2 HP (28 FLA) 208 VAC three phase; 10 HP (28 FLA) 240 VAC three phase.
- **Application** - Heating, Air Conditioning, Pumps, Indoor Lighting, Outdoor Lighting, Motors, Signs, Billboards, Ventilating Systems, Fans, Filters, 3 Phase Loads

Part Number	Amp Rating	Clock Voltage	Switch	Description
T7401BINT	40 (Per Pole)	125 @ 60 Hz	4PST	7-Day Dial With & Without Carryover Mechanical Time Switch

# Controls

## Timers

### Timer Switches

#### Switch Trippers

**Features:**

- 1 on/1 off
- Black/gray
- UL & CSA listed
- Polybagged
- For Model No's T101, T102, T103, T104, T102-20 & T104-20

Part Number	Description
156T1978AINT	Time Switch Trippers

#### Electromechanical Time Switches with Multi-Voltage Selection

**Features:**

- NEMA 3R Outdoor Enclosure
- Voltage - 120, 208/240, 277 VAC
- Long life – Patented, TUFF TOOTH design provides long blade life
- Efficient cutting – Optimized for specific applications
- Durable construction – Shatter resistant, bi-metal design provides the flexibility and durability single-metal blades can't

Part Number	Switch	Output	Description
GM40INT	SPDT/DPDT	40A DPDT	24-Hour Electromechanical, Multi-Voltage
GM40WINT	SPDT/DPDT	40A DPDT	7-Day (Skip-A-Day/Weekly) Electromechanical, Multi-Voltage