

- Microprocessor Controlled Timer
- DIP Switch Selectable Functions
- Selectable Time
- SPDT Relay Output
- External Start and Pause Control
- Status LEDs
- Universal Power (12-24 Vac/Vdc or 110-220 Vac)
- DIN Rail Mount (TS 35)
- Removable Terminal Blocks



The UniPak™ Model UP110 is an electronic timer featuring 8 DIP switch selectable modes and timer ranges from 0.05 seconds to 10 hours. The microprocessor controlled timing is repeatable to within X seconds. The selectable function makes the UP110 useful for nearly every timing application. The UP110 can work in batch modes or a single shot. The status LEDs provide mode feedback. The Green LED is ON when power is applied to the timer. The Yellow LED is on during timing and flashes when the Pause contact is closed. The Red LED illuminates with the relay changes state. Once the DIP switch for the time period is selected the time is adjusted with the front mounted potentiometer

Switch Settings	Function	Description
1 2 3 ON ON ON	PWR	Timing begins when power is applied to timer. Relay is de-energized and energizes when the timing period has elapsed. Relay remains energized until power to the timer is interrupted.
ON ON OFF	PWR	Timing begins when power is applied to timer, relay is energized. Relay de-energizes when the timing periods has elapsed.
ON OFF ON	PWR	Cyclic timing begins when power is applied to timer. On time = off time. Relay begins de-energized. Cycle continues until loss of power.
ON OFF OFF	PWR	Cyclic timing begins when power is applied to timer. On time = off time. Relay begins energized. Cycle continues until loss of power.
OFF ON ON	PWR START	When the START contact is closed the relay energizes and timing begins. Relay de-energizes when timing period has elapsed. START contact has no effect until timing period is complete.
OFF ON OFF	PWR START	When the START contact is closed the relay energizes. Timing begins when the contact opens. Relay de-energizes when timing period has elapsed. START contact resets timing period when the contact reopens.
OFF OFF ON	PWR START	When the start contact opens the relay energizes and timing begins. Relay de-energizes once the timing period has elapsed.
OFF OFF OFF		Relay is energized when power is applied to the timer. No timing is performed.

### General Specifications

Control	Dry Contact - Start and Pause
Output	Form C, SPDT Relay: 8A, 250 Vac
Power	12 to 24 Vac or Vdc, ± 10 % 115-230 Vac ±10%, 50-60 Hz
Consumption	2 W @12 Vac or dc 14 VA @ 115 Vac

### Performance Specifications

Humidity:	30-90% @ 40 °C
Operating Temperature:	-10 to +60 °C (-14 to 140 °F)
Storage Temperature:	-40 to 80 °C (-40 to 176 °F)
Dimensions:	17.5 x 100 x 112 mm (w x h x d) (0.69 x 3.84 x 4.14 in)
Weight:	200 g ( 7.1 oz)

**Ordering Information:** IOS-UP-110

Electronic Timer