



Relay Timer Types

General Notes

- Any Timer may control any or all Relay Outputs
- Timers may cause Relay Outputs to be turned ON or OFF
- Any Timer may control any or all Group(s) of Relay Outputs
- Timers may cause Group(s) of Relays Outputs to be turned ON or OFF
- Timer may cause any Preset(s) to be activated

Standard Timer/Relay Types:

<p>ON: The ON Timer Function will Turn ON Relay Outputs assigned to a specific Timer.</p>	<p>OFF with Blink: Each relay output within the LightMaster may be individually programmable to blink (OFF/ON) prior to being turned OFF by a Timer. This will warn occupants of the upcoming OFF event. The time window from the blink alert to the scheduled OFF time are adjustable between 2 and 99 minutes in 1-minute increments. If an ON command is received during the blink alert time the relay output will be overridden and left ON for the override time. Override times are adjustable from 5 to 999 minutes in 1-minute increments.</p>
<p>OFF: The OFF Timer Function will Turn OFF Relay Outputs assigned to a specific Timer.</p>	

Special Application Timer/Relay Types:

<p>Alarm ON: Relays are capable of performing a momentary ON function. Relays programmed for this function will turn ON for a programmed duration (1 to 99 seconds) and then return to the OFF state. Application: Mechanically Latching Contactor</p>	<p>Alarm OFF: Relays are capable of performing a momentary OFF function. Relays programmed for this function will turn OFF for a programmed duration (1 to 99 seconds) and then return to the ON state. Application: Sentry Switch or The Watt Stopper® AS-110 Automatic Control Switch compatible</p>	<p>Alarm Pulsed ON: During the ON pulse period (1 to 99 seconds programmable) the relay is cycled ON and OFF at 1 second intervals). Relay returns to OFF state when complete. Application: Alarm or buzzer signal applications, classroom bell systems. Used in conjunction with HID applications for settable blink alert operation.</p>	<p>Alarm Pulsed OFF: During the OFF pulse period (1 to 99 seconds programmable) the relay is cycled OFF and ON at 1 second intervals). Relay returns to ON state when complete. Application: Settable blink alert operation.</p>
<p>After Hour Timer OFF Sweeps: To minimize the programming of after hours OFF sweeps, the user may specify a after Close and before Open time window, and OFF sweeps will occur every 1, 2 or 3 hours automatically</p>	<p>HID Delay: The relays designated as HID Delay Timer operation will observe the blink alert waiting period and an override without blinking (turning OFF and ON) the HID fixture</p>	<p>Power-Up State: Relays may be configured to provide one of the following functions at power-up of the controller ON, OFF, ON if Input 1 closed, OFF if input 1 closed or NO ACTION. (Input 1 may be wired to a security or fire alarm system as an output override)</p>	<p>Open/Closed Time Control: Relay Groups or Timers may be controlled in relation to OPEN/CLOSE times of the facility. The open/closed times may vary for different days per day of the week and may be programmed for each day of the year if necessary.</p>