



APPLICATION NOTE

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Product Family: Timers

Number: AN-LC-007

Subject: Setting up two Fuji Multi-mode timers to have variable on and off duration time for flicker control mode.

Date Issued: 9/10/13

Revision: 1

Application description:

A customer wants to create an adjustable flicker mode type control with one of our Fuji timers. The Fuji timers have a built-in flicker mode control, however, the off duration can not be changed to a different period compared to the on delay.

Using the dual timer set-up makes it very easy to set-up a flicker mode control with adjustable periods.



Specifications:

Timers	2 x MS4SM-AP-ADC
	2 x TP411X
Miscellaneous	1 x User supplied switch and wire

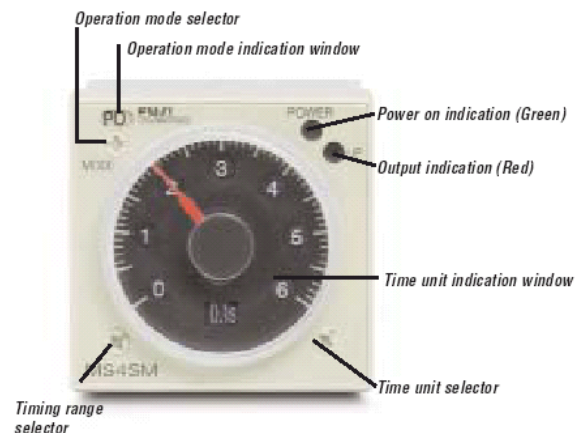
Set-up:

Ensure Power is off when wiring.

- 1.) Wire the bases like the following diagram.
- 2.) Set the operating mode to **OS for one shot control** on both timers.
- 3.) Adjust timing range from .05 seconds to 60 hours on both timers.
- 4.) Adjust the timer scale ranges to 0-6, 0-12, 0-30, or 0-60 on both timers.

With the power applied and the switch closed, the OFF timer will start to operate. When it times out, its contacts will start the ON timer. When the ON timer completes its period, it will start the OFF timer and repeat the process until the control switch is opened. See timing diagram following.

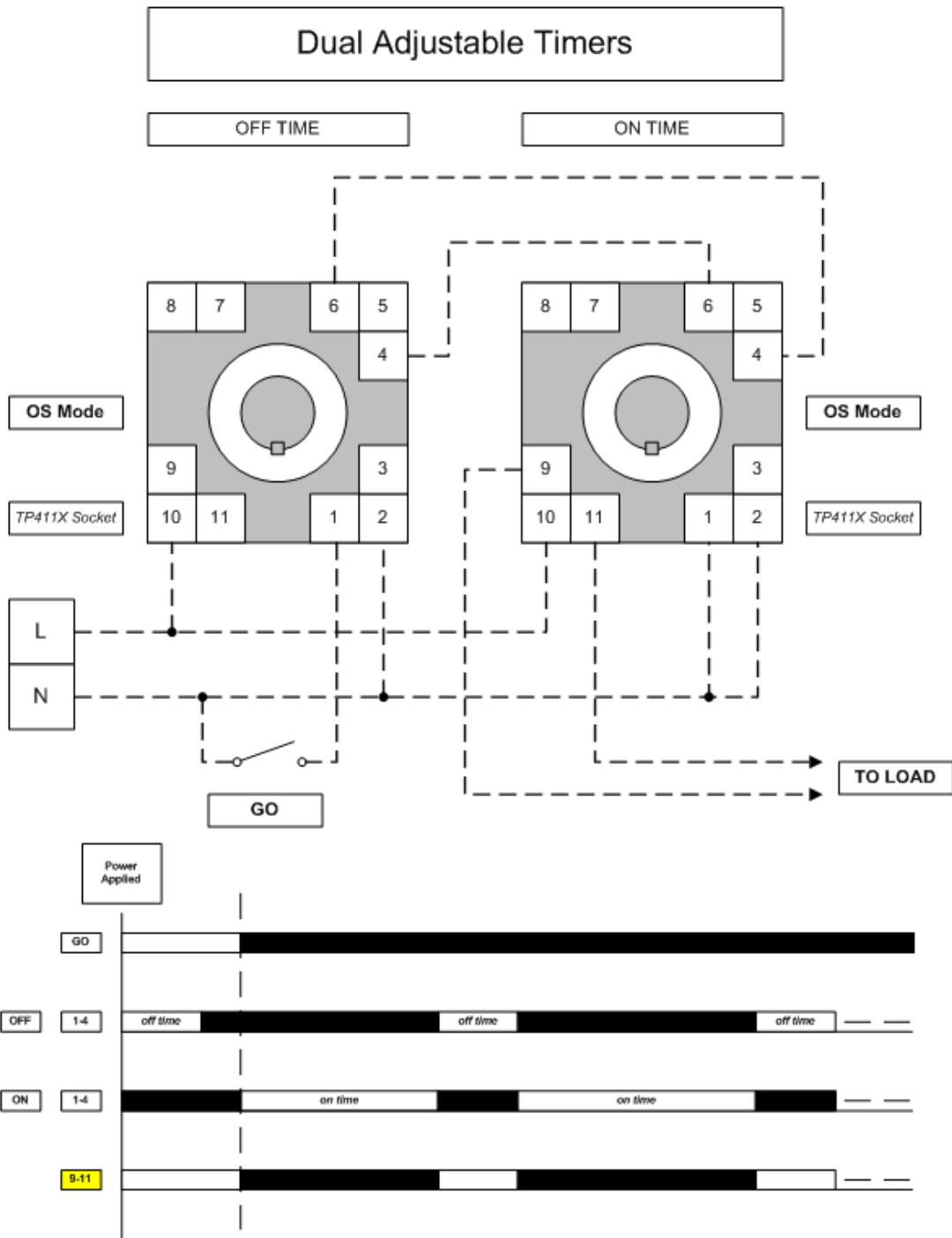
FUJI multi-mode timers with full features





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Technical Assistance:

If you have questions regarding this Application Note, please contact us at 770-844-4200 for further assistance.